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SMOKE MANAGEMENT ON FFG 7 CLASS SHIPS - AN EVALUATION  
OF SMOKE REMOVAL DIAGRAMS AND PROCEDURES ON USS CLIFTON  
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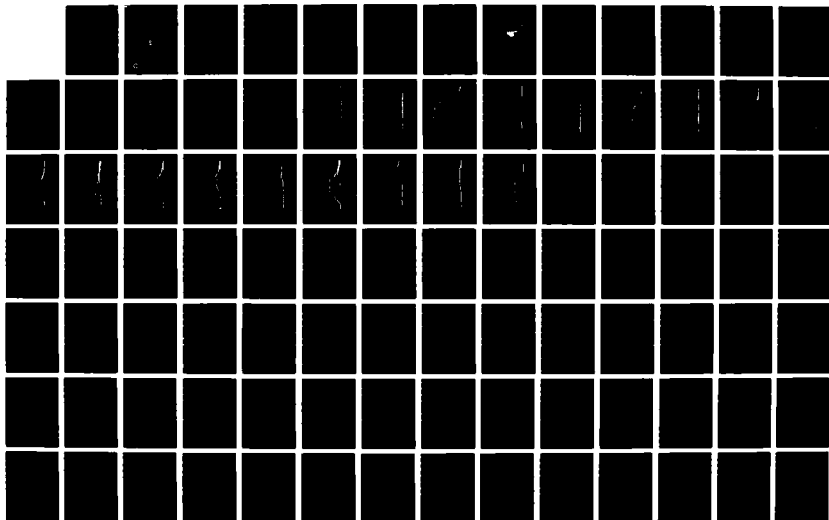
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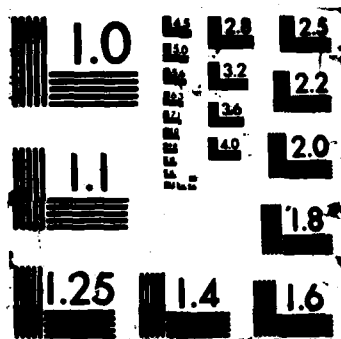
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**David W. Taylor Naval Ship Research and Development Center**

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Ship Materials Engineering Department

Research and Development Report

**SMOKE MANAGEMENT ON FFG 7 CLASS SHIPS -  
AN EVALUATION OF SMOKE REMOVAL DIAGRAMS AND  
PROCEDURES ON USS CLIFTON SPRAGUE (FFG 16)**

by

E. Rodriguez

R. Carey

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DTNSRDC/SME-87/16 Smoke Management on FFG 7 Class Ships - An Evaluation of Smoke Removal Diagrams and Procedures on USS CLIFTON SPRAGUE (FFG 16)

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## CONTENTS

### Page

ABBREVIATIONS.....	v
ABSTRACT.....	i
ADMINISTRATIVE INFORMATION.....	i
INTRODUCTION.....	i
OBJECTIVE.....	2
EXPERIMENTAL PROCEDURES.....	2
RESULTS.....	5
GENERAL OBSERVATIONS.....	8
SMOKE CONTROL ZONE 3-2.....	8
SMOKE CONTROL ZONE 3-1.....	9
SMOKE CONTROL ZONE 4-5.....	9
SMOKE CONTROL ZONE 1-3.....	9
DISCUSSION .....	9
GENERAL.....	9
SMOKE CONTROL ZONE 3-2.....	10
SMOKE CONTROL ZONE 3-1.....	10
SMOKE CONTROL ZONE 4-5.....	12
CONCLUSIONS.....	13
RECOMMENDATIONS.....	13
APPENDIX A - TEST DESIGN.....	35
APPENDIX B - DATA.....	41

## FIGURES

1. Test apparatus.....	3
2. Test site location.....	3
3. Optical density in Smoke Control Zone 3-2, Test 1.....	14

# ABBREVIATIONS

CPO Chief Petty Officer

FCU Fan coil unit

ft<sup>2</sup> Square feet

ft<sup>3</sup> Cubic feet

ft<sup>3</sup>/min Cubic feet per minute

GC Gas chromatograph

HVAC Heating, ventilating, air conditioning

m<sup>3</sup> Cubic meters

min Minutes

NTEC Naval Training Equipment Command

SCZ Smoke control zone

SF<sub>6</sub> Sulfur hexafluoride



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## ABSTRACT

We performed a series of smoke migration tests on board USS CLIFTON SPRAGUE (FFG 16), at the Philadelphia Naval Shipyard, to validate the FFG 7 class "Smoke Removal and Procedures Diagram" developed by the Naval Sea Systems Command. These diagrams divided the ship into 23 smoke control zones; three of those zones were tested. A smoke generator designed by the Naval Training Equipment Center was used to release a chemical smoke and to simulate the smoke from a fire. We found that smoke can be confined to the designated zones, but some leakage will occur through cable penetrations and nondogged doors. Removal of smoke was hampered by a local fan controller located within the zone, which is necessary to reset the ventilation system in that zone. These fan controllers should have a means of being bypassed or should be relocated external to the zone. We were able to de-smoke the test zones within four air exchanges.

## ADMINISTRATIVE INFORMATION

This work was performed under Program Element 63262N, Project S1819, Task 28660, and Center Work Unit 1202-648. The work was conducted by the Chemical Engineering and Processes Branch (Code 2833) of the David Taylor Naval Ship Research and Development Center. The work was sponsored by the Naval Sea Systems Command (SEA 56Y5).

## INTRODUCTION

Smoke inhalation causes most fatalities during a fire. The rapid expansion of gases in a fire spreads the smoke into surrounding areas and throughout the ship; this prolongs the duration of the fire and results in increased damage to the ship. The smoke is conveyed primarily through deck and bulkhead penetrations which cannot be sealed or closed, and through the ducts of the ventilation system. In an effort to manage smoke migration aboard ship, the Naval Sea Systems Command commissioned the Material Technology Division of Westinghouse Corporation to develop smoke removal diagrams and smoke management procedures for ships in the FFG 7, CGN 38, CG 47 and DDG 51 classes. These diagrams use the existing ventilation system and define areas of this ship in which smoke can be confined by setting a prescribed system configuration. These areas are called smoke control zones (SCZ). The smoke control diagrams also prescribe the fan and duct alignments that provide de-smoking capability to the SCZ's.

## OBJECTIVE

The objective of this work was to perform several shipboard experiments to evaluate and verify the smoke removal diagrams and the procedures developed by Westinghouse for the FFG 7 class ship. The effectiveness of the smoke control zones and procedures was to be gauged in terms of the ability to confine smoke and to de-smoke using existing heating, ventilating and air conditioning (HVAC) equipment capabilities.

## EXPERIMENTAL PROCEDURES

We performed a series of smoke migration tests on USS CLIFTON SPRAGUE (FFG 16) using a smoke generator to verify the SCZ diagrams. The diagrams identified 23 smoke control zones (SCZ); four representative zones, 3.1, 3.2, 4.5 and 1.3, were selected for testing after analyzing several variables. Their locations are shown in Figure 1. Unfortunately, we were only to test three zones because the ship's equipment was down in zone 1.3. The test design is contained in Appendix A. Four tests were performed in each zone, except in SCZ 3-2 where there were eight. Smoke was injected at high and low points in each zone. Each zone was tested for smoke containment and removal. We did not test SCZ's involving machinery or munition spaces because NAVSEA has prescribed a specific smoke control doctrine for these spaces.

There were two parts to each test -- smoke containment and smoke removal. Condition ZEBRA Z (secure doors, hatches, and fans) was set before the start of each test. Background readings of temperature and optical density measurements were taken. The expansion of fire gases was simulated using a "Red Devil" blower, a bypass valve, and a Meriam flowmeter, as shown in Figure 2. Smoke was generated and injected into the selected space using the Naval Training Equipment Command (NTEC) smoke generator. The smoke was formed from a mixture of water, polyethylene glycol-200, and polypropylene glycol. Additionally, a trace gas, sulfur hexafluoride ( $SF_6$ ), was introduced into the air injected by the Red Devil blower.  $SF_6$  was used to determine the transport



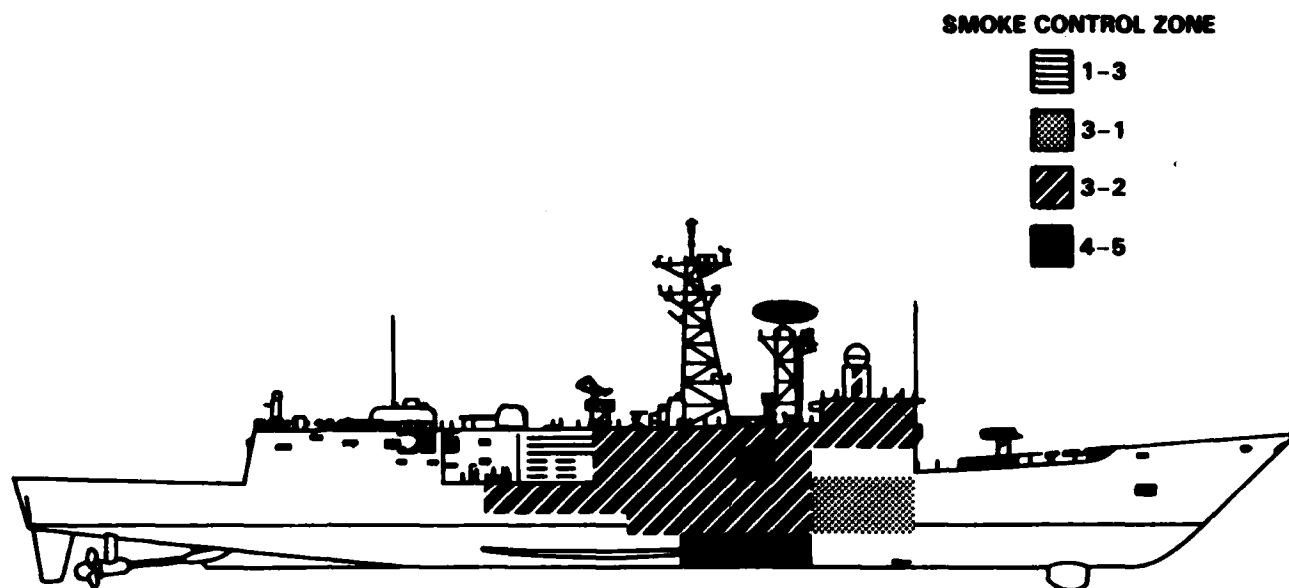


Fig. 1. Test site location.

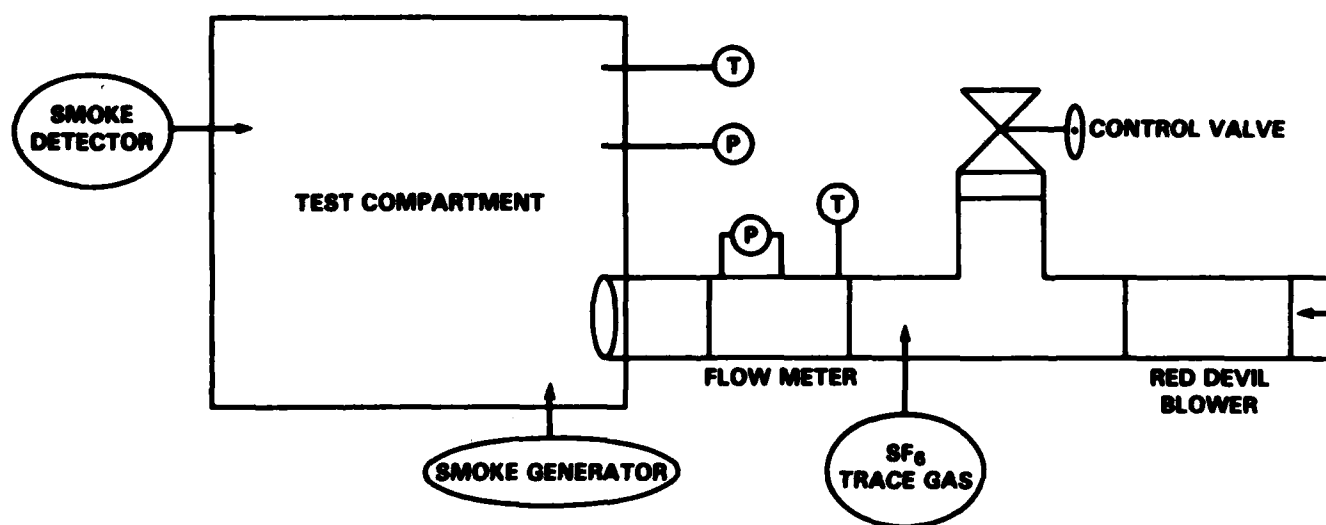


Fig. 2. Test apparatus.

properties of air circulating within the SCZ, since the synthetic smoke particles would precipitate out over long distances. The smoke generator, Red Devil blower, and gas chromatograph (GC) were started, and SF<sub>6</sub> gas was released at the beginning of the smoke containment test. The air flow rate was monitored by the Meriam flowmeter. SF<sub>6</sub> and smoke generator output (low/high) was adjusted with air flow rate changes to keep a constant ratio. The air flow rate was varied to simulate the gas expansion volume from a fire model,\* which defines the rapid expansion of gases in the first 3 to 10 minutes after ignition. The gas expands as the temperature increases, and is the principal driving force which spreads smoke to the surrounding areas. An annunciator and an audible alarm system was used to signal changes in SF<sub>6</sub> concentration, smoke release rate, and air flow rate. SF<sub>6</sub> concentration at various locations was monitored by the gas chromatograph (automated) every 90 seconds. Air samples were taken manually at 15, 25, and 30 minutes, and every 5 minutes thereafter until 60 minutes after the release of SF<sub>6</sub> began and lasers at several locations in the SCZ measured the optical density (smoke density) which is directly related to visibility. Optical density data were taken every 30 seconds throughout the test run. We did not attempt to establish a correlation between optical density readings and visibility, because the smoke was being used as a visible trace and not as an obscurant. Chemical smoke was released for 30 minutes. Then, we realigned the dampers, hatches, energized fans and other HVAC equipment according to the Smoke Removal and Procedures Diagrams. The smoke removal portion of the test began when realignment was complete. Test personnel checked the ventilation air intakes for smoke reingestion during smoke removal. Data were recorded until the optical density decreased two half lives (75%) at all points. For the purpose of this test, we considered de-smoking of the zone to be complete at this time. A list of data obtained in this test is provided in Appendix B.

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\*Shipboard Fire and Thermal Expansion Model, Contract N00167-84-D-0087, Delivery Order 0006, Task C, Engineering Computer Optecnomics, Inc. (Mar 1986).

## RESULTS

The locations of the test zones are shown in Figure 1. De-smoking times are given in Table 1, which provides a comparison of the estimated de-smoking time and the calculated time required for it to be reduced by two half lives.

Table 1. Optical density and de-smoking times of spaces.

Test	Space	Optical Density		
		Start De-smoke	End De-smoke	Time to De-smoke (min)
Smoke Control Zone 3.2				
1	Switchboard Room 1	0.04	0	31.5
	CPO Quarters	0.28	0.28	38.0
	Elevator Machinery Space	5.04	1.24	38.0
	Main Deck Passage, Frame 198	0.0	0.0	-
	Main Deck Passage, Frame 155	0.0	0.0	-
	Bridge	0.0	0.0	-
	Crew's Mess	0.0	0.0	-
2	Switchboard Room 1	3.2	0.8	13.5
	Elevator Machinery Space	17.6	4.4	17.0
	CPO Quarters	0.16	0.04	32.5
	Main Deck Passage, Frame 198	0.0	0.0	-
	Main Deck Passage, Frame 155	0.0	0.0	-
	Bridge	0.0	0.0	-
	Crew's Mess	0.0	0.0	-
3	Main Deck Passage, Frame 198	12.56	3.12	17.5
	Officer's Passage, Frame 155	10.44	2.12	13.0
	Main Deck Passage, Frame 123	-	-	*
	Auxiliary Machinery Room 1			
	Crew's Mess	0.0	0.0	-
	Bridge	0.0	0.0	-
4	Main Deck Passage, Frame 198	8.8	2.04	4.5
	Officer's Passage, Frame 155	5.2	1.28	18.5
	Main Deck Passage, Frame 123	4.52	1.12	18.5
	Auxiliary Machinery Room 1	0.0	0.0	-
	Crew's Mess	0.04	0.0	22.5
	Bridge	0.88	0.24	10.5
	CPO Quarters	0.0	0.0	-
	CPO Quarters	0.0	0.0	-

Table 1. (Continued)

Test	Space	Optical Density		
		Start De-smoke	End De-smoke	Time to De-smoke (min)
5	Main Deck Passage, Frame 198	13.92	3.52	24.0
	Main Deck Passage, Frame 123	4.92	1.2	28.0
	Crew's Mess	0.0	0.0	-
	Main Deck Passage, Frame 123	0.56	0.12	28.5
	Bridge	0.0	0.0	-
	Auxiliary Machinery Room 1	0.0	0.0	-
	CPO Quarters	0.0	0.0	-
6	Main Deck Passage, Frame 198	14.12	2.4	11.0
	Officer's Passage, Frame 155	2.36	0.6	25.0
	Bridge	0.08	0.0	-
	Main Deck Passage, Frame 123	5.12	1.2	15.0
	Crew's Mess	0.0	0.0	-
	Bridge	0.0	0.0	-
	Auxiliary Machinery Room 1	0.0	0.0	-
	CPO Quarters	0.0	0.0	-
<u>Smoke Control Zone 3.1</u>				
7	Second Deck, Frame 120	1.96	0.48	11.0
	Second Recreation Lounge, Frame 104	1.76	0.44	11.5
	Second Dressing Area, Frame 116	1.2	0.32	11.5
	First Passage Sanitary Space	12.24	3.12	-
	First Passage, Frame 135	6.76	1.68	-
	Second Deck Passage, Frame 115	7.12	1.68	26.5
	First Platform Recreation Lounge	-	-	*
8	Second Deck, Frame 120	3.92	1.00	10.0
	Second Deck Recreation Lounge, Frame 104	2.56	0.50	12.5
	Second Deck Dressing Area, Frame 116	0.72	0.20	13.0
	First Platform Sanitary Space	9.36	2.52	-
	First Platform, Frame 135	4.44	1.12	-
	Second Deck Platform, Frame 115	4.36	1.08	29.5
	First Platform Recreation Lounge	7.44	1.68	13.5
9A	Second Deck, Frame 120	12.60	3.08	13.0
	Second Deck, Recreation Lounge, Frame 104	5.64	1.36	12.5
	Second Deck, Frame 116	7.24	1.76	9.5
	Second Deck Recreation Lounge	5.24	1.28	8.0
	First Platform Sanitary Space	0.16	0.04	-
	First Platform, Frame 135	0.24	0.04	-
	Second Deck Platform, Frame 115	1.04	0.24	-

Table 1. (Continued)

Test	Space	Optical Density		
		Start De-smoke	End De-smoke	Time to De-smoke (min)
10	First Platform Sanitary Space	0.24	0.04	-
	First Platform, Frame 135	0.52	0.12	-
	Second Deck Recreation Lounge, Frame 104	2.48	0.64	18.0
	Second Deck Platform, Frame 115	1.76	0.44	-
	Second Deck, Frame 120	12.4	3.00	12.0
	Second Deck, Frame 116	10.2	2.36	9.0
	Second Deck Recreation Lounge	2.6	0.64	16.0
<u>Smoke Control Zone 4.5</u>				
11	Boiler Room	0.86	0.2	9.0
	Fan Room	0.41	0.07	2.5
	Laundry	3.32	0.72	3.5
	CPO Quarters	0.0	0.0	-
	Bridge	0.0	0.0	-
	Galley	0.0	0.0	-
12	Fan Room	2.8	0.68	3.5
	Laundry	5.4	0.96	5.0
	Boiler Room	0.0	0.0	-
	CPO Quarters	0.0	0.0	-
	Bridge	0.0	0.0	-
	Galley	0.0	0.0	-
13	Fan Room	13.52	0.36	2.0
	Laundry	0.24	0.06	3.5
	Boiler Room	0.0	0.0	-
	CPO Quarters	0.0	0.0	-
	Bridge	0.0	0.0	-
	Galley	0.0	0.0	-
14	Fan Room	14.28	0.32	2.5
	Laundry	0.76	0.16	4.0
	Boiler Room	0.0	0.0	-
	CPO Quarters	0.0	0.0	-
	Bridge	0.0	0.0	-
	Galley	0.0	0.0	-
*Instrument failed to operate.				

Table 2 lists the air exchange rates for each of the test zones.

Table 2. Air exchange rates for smoke control zones.

Smoke Control Zone	Volume (ft <sup>3</sup> )	Exhaust Rate (ft <sup>3</sup> /min)	Air Changes, Volume/Exhaust Rate (ft <sup>3</sup> /min)	Four Air Changes (min)
3-1	28,640	1,060	27.0	108.0
3-2	129,485	17,500	7.4	29.6
4-5	13,032	9,375	1.4	5.6
Note: 100 ft <sup>3</sup> = 2.8 m <sup>3</sup>				

#### GENERAL OBSERVATIONS

While smoke was confined to the SCZ in each of the areas tested, some smoke did leak across the boundary through cable penetrations and partially dogged hatches. Complete and proper fastening was required for the doors or hatches to be fully effective.

The de-smoke portion of the test was complicated because the restart of the ventilation is a two-step process. That is, the switchboard had to be reset followed by resetting of the local controller. Unfortunately, the local controller was always located within the smoke-filled area.

#### SMOKE CONTROL ZONE 3-2

Figures 3 and 4 show the optical density at designated locations as a function of time when smoke is injected at the low smoke injection point, the Elevator Machinery Space.

Figures 5 through 8 show the optical density at designated locations as a function of time when smoke is injected at the high injection point, Frame 123 on the Main Deck in the Port Passage.

### SMOKE CONTROL ZONE 3-1

Figures 9 and 10 show the optical density at designated locations when smoke is injected at the low injection point, the First Platform Recreation Lounge.

Figures 11 and 12 show the optical density at designated locations when smoke is injected at the high injection point, the Recreation Lounge on the Second Deck.

### SMOKE CONTROL ZONE 4-5

Figures 13 and 14 show the optical density as a function of time when smoke is injected at the low injection point, the Laundry Passage.

Figures 15 and 16 show the optical density as a function of time when smoke is released at the high injection point, the Fan Room on the Main Deck.

### SMOKE CONTROL ZONE 1-3

We did not study this zone because the ship equipment was down and could not be repaired in time for the test.

## DISCUSSION

### GENERAL

We had planned to release chemical smoke and  $SF_6$  into the test space for 33 minutes. The 33-minute release time was derived from the GC sample cycle time. We found during Tests 1 and 2 that the GC was not functioning properly, and we could not repair it on-site. The  $SF_6$  portion of the test was deleted, and the release time for chemical smoke was reduced to 30 minutes. The ventilation system was aligned at the end of the release period, and fans were restarted according to the procedures provided in the diagrams. The time to de-smoke began once the fans were started and continued until the optical density of the spaces with detectors showed that the optical density had been reduced by two half lives.

### SMOKE CONTROL ZONE 3-2

Results for Tests 1 and 2 (Figures 3 and 4, respectively) show that the release room (Elevator Machinery Room) was totally obscured within 3 minutes after the smoke was introduced. Once the smoke generator is secured, there is a definite drop in optical density within 5 minutes in the release space because the chemical smoke precipitates onto the surfaces. Smoke migrated into the Switchboard 1 Room during both tests. During Test 1 the intrusion occurred during the de-smoking operation; in Test 2 it increased during the confinement period and decreased during the de-smoking period. We believe the intrusion during Test 2 occurred because a door was not closed properly.

It took 13 to 38 minutes to reduce the optical density by two half lives during the de-smoking operation (Table 1).

The high smoke injection point was in the Port Passage, Main Deck at Frame 123. During Test 3, the laser measuring the optical density in the release space failed; hence, the data are not shown in Figure 5. The laser was repaired, and the data show that the passage rapidly filled with smoke during Tests 4 through 6 (Figures 6a, 7a, and 8, respectively). Smoke moved along the passage to Frame 198 in each test and penetrated louvers in the door off the passage into the Officer's Quarters at Frame 155.

The ventilation system caused the optical density to increase outside the Officer's Quarters at Frame 155 (Figures 4a, 5b, and 6) at the start of the smoke removal mode. Smoke in all the spaces was reduced to two half lives in 13 to 39 minutes (Table 1).

### SMOKE CONTROL ZONE 3-1

Figures 9 and 10 show the results of the low injection point, the First Platform Recreation Lounge. Smoke spread on the First Platform from the injection point into



the Crew's Quarters by means of the recirculating fan coil unit duct system. It spread from this space to the sanitary space and into the rest of the SCZ on this level through natural ventilation openings. Smoke spread to the Second Deck through the ventilation system ducts. When the ventilation system was de-energized, it served as a pressure relief system and allowed smoke to pass through it. Further spreading in the SCZ was possible through the recirculating FCU and natural ventilation openings.

It took 10 to 30 minutes to reduce the optical density two half lives in all spaces of the SCZ, see Table 1. Optical density increased in the Sanitary Space on the First Platform 5 minutes after the start of the de-smoking process because smoke from the injection space (Recreation Lounge) was being exhausted into this space from the re-energized recirculating FCU, see Figures 9a and 10a.

Figures 11 and 12 show the results from the high injection point, Second Deck Recreation Lounge. Smoke spread very quickly, mainly through natural ventilation openings, to the Dressing Space, Second Deck, Frame 120, then to the rest of the zone on the Second Deck. A small amount of smoke spread to the First Platform through the ventilation system ducts.

It took 8 or 9 minutes of de-smoking to reduce optical density by two half lives (Table 1). Smoke from surrounding spaces contaminated the passage on the Second Deck around Frame 115 at the start of the smoke removal mode.

There was a difference in the amount of smoke migration between decks when smoke was injected high or low in the SCZ. As expected, more of the smoke migrated to the Second Deck when smoke was injected on the First Platform (upward) than to the First Platform when smoke was injected on the Second Deck (downward). The density of the smoke was less than the density of the surrounding air; therefore, it was easier for the smoke to spread upward.

#### SMOKE CONTROL ZONE 4-5

Results of tests conducted on the spread of smoke at the low injection point (Laundry Room Passage) in Figures 13 and 14 show that smoke migrated from the Second Platform to the Main Deck and Fan Room. Spread occurred mainly through the air supply ducting in the proximity of the injection point. It spread to the Boiler Room on the Second Platform through natural ventilation openings in bulkheads and doors. Smoke migrated more rapidly during the second test, Figure 14, because we were able to leave the Laundry Room door open. Lack of a barrier (door) allowed smoke to reach supply ducts in the Laundry faster.

Smoke removal was very effective in this SCZ because the laundry has a high exhaust rate to remove heat from normal operations. Optical density (smoke) was reduced two half lives in 2 to 9 minutes (Table 1). A 20-minute delay occurred during test 11 when the local controllers in the Laundry Room could not be located due to smoke obscuration.

Figures 15 and 16 give results after injecting smoke high into the Fan Room. Smoke was well contained when released in this space; most of the smoke that was released migrated quickly to weather.

There was little migration of smoke from the Fan Room (Main Deck) to the Laundry (Second Platform). The Laundry Room has a high air exchange rate (Table 2); therefore, smoke removal was highly effective in this SCZ. Optical density was reduced by two half lives in 4 minutes or less (Table 1).

Smoke migration patterns were similar to those observed on the preceding tests in SCZ 3-1. As expected, smoke migrated more rapidly to the higher spaces in the SCZ from the lower spaces when smoke was injected in the lower spaces.

## CONCLUSIONS

Smoke could be effectively contained within an SCZ except for minor leakage through cable seals and door seals. In some cases, smoke was spread by the recirculation system (FCU). Hatches must be dogged to prevent smoke spread between zones.

Activation of the recirculation system spread the smoke at first. The two-step procedure to reactivate fans -- reset the circuit breaker at the switchboard, and then reset local controllers -- often required in excess of 20 minutes to complete. The location of the local controllers was often inaccessible because smoke obscured them in the compartment of the test zone.

The recirculation system often spread smoke into clear areas within the test zone, and smoke containment procedures are effective only if ship seals are functional and hatches are dogged. In some cases, the current practice of using auxiliary Red Devil blowers through hatches and doors may be more effective than the procedures given in the diagrams. All areas tested could be de-smoked within four air exchanges.

## RECOMMENDATIONS

We recommend that the "Smoke Removal Diagrams and Procedures" be implemented on a trial basis with follow-on testing using a chemical smoke generator after the ship class has an opportunity to be trained in the use of the diagrams.

The following items should be considered to improve the effectiveness of the method.

- Incorporate the Red Devil blower to assist in the de-smoking process.
- Identify and repair leakage paths such as cableways and door seals.
- Incorporate hatch and door position, open or closed.
- Provide the capability to restart fans from positions external to the zone.

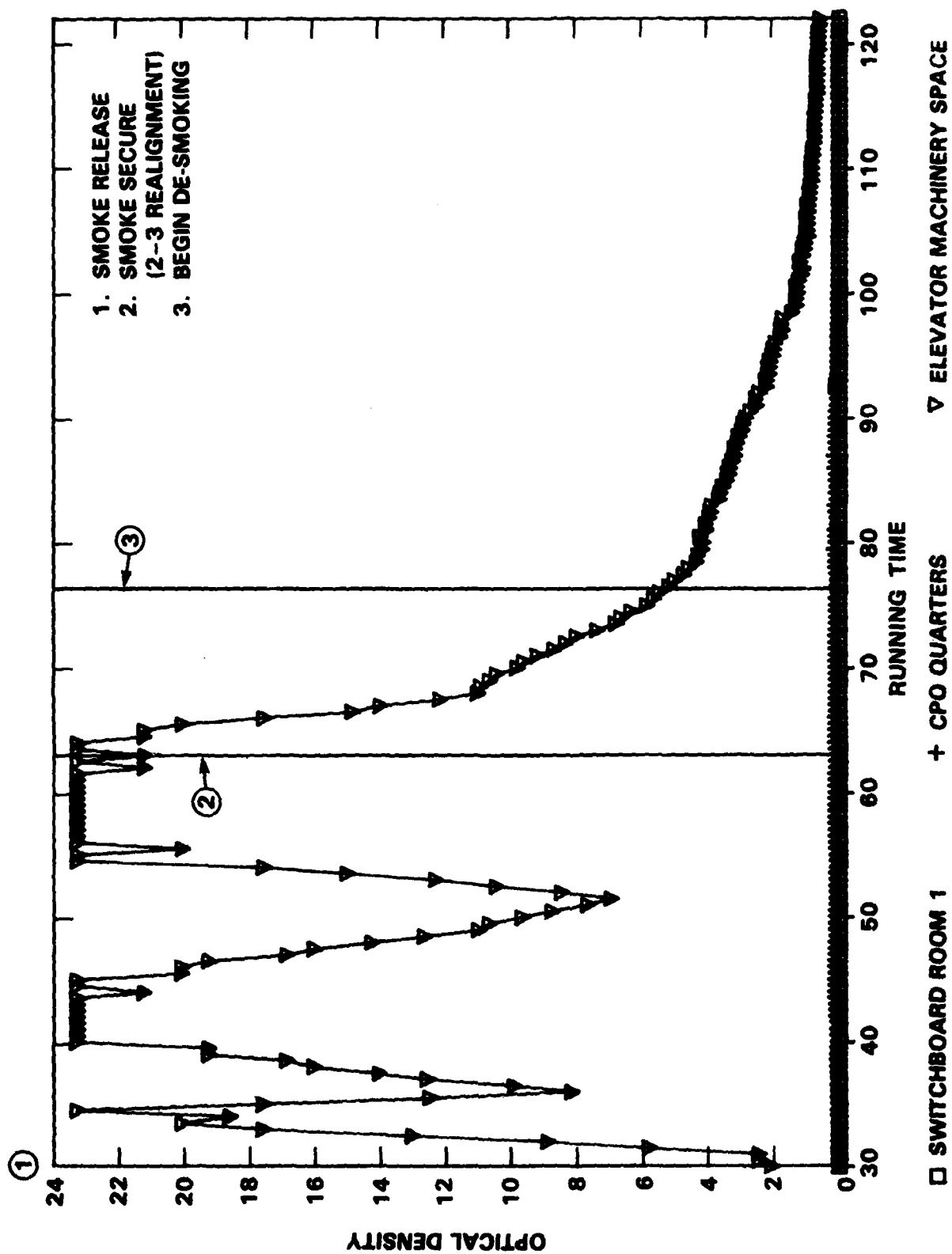


Fig 3. Optical density in Smoke Control Zone 3-2, Test 1.

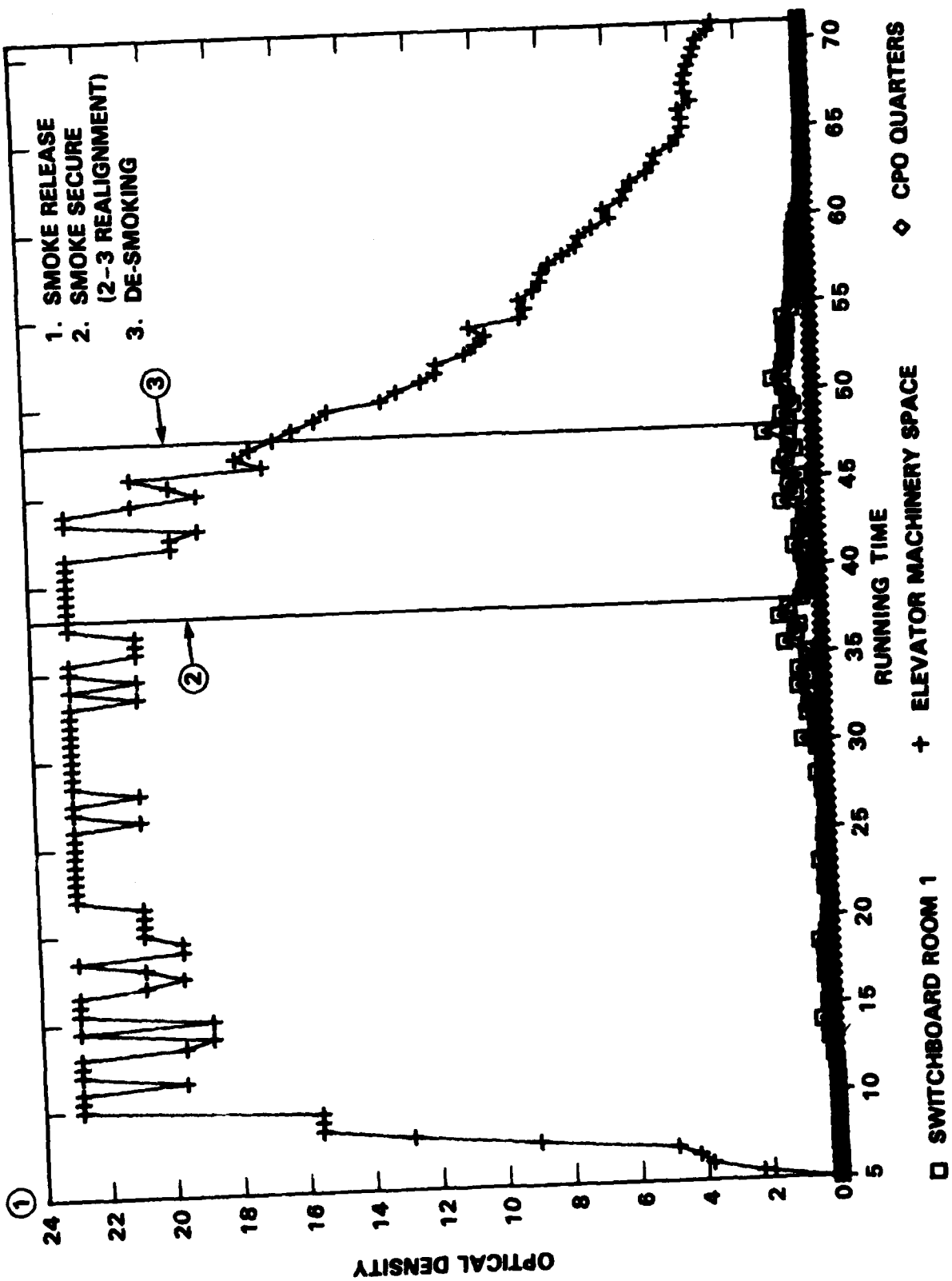


Fig 4. Optical density in Smoke Control Zone 3-2, Test 2.

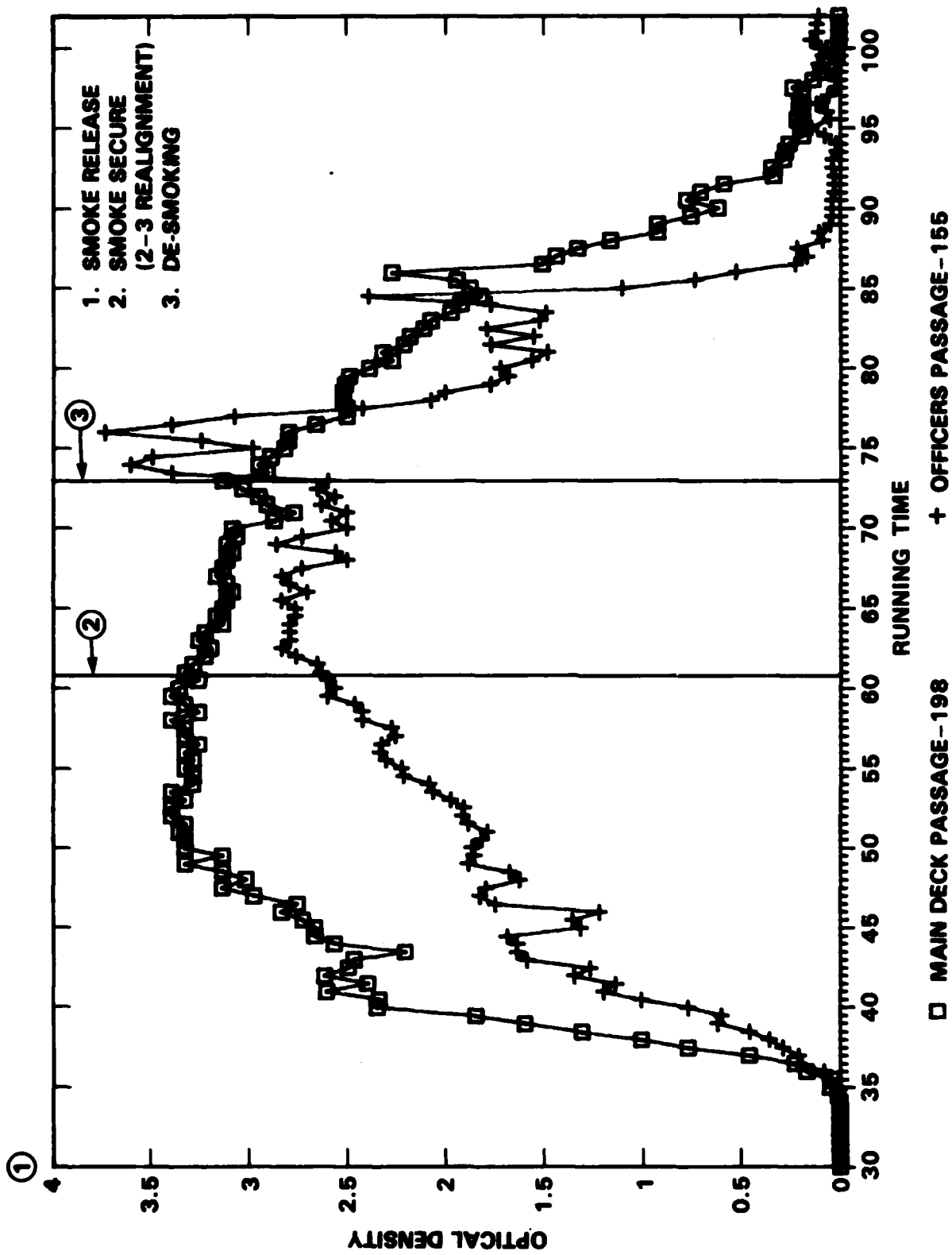


Fig 5. Optical density in Smoke Control Zone 3-2, Test 3.

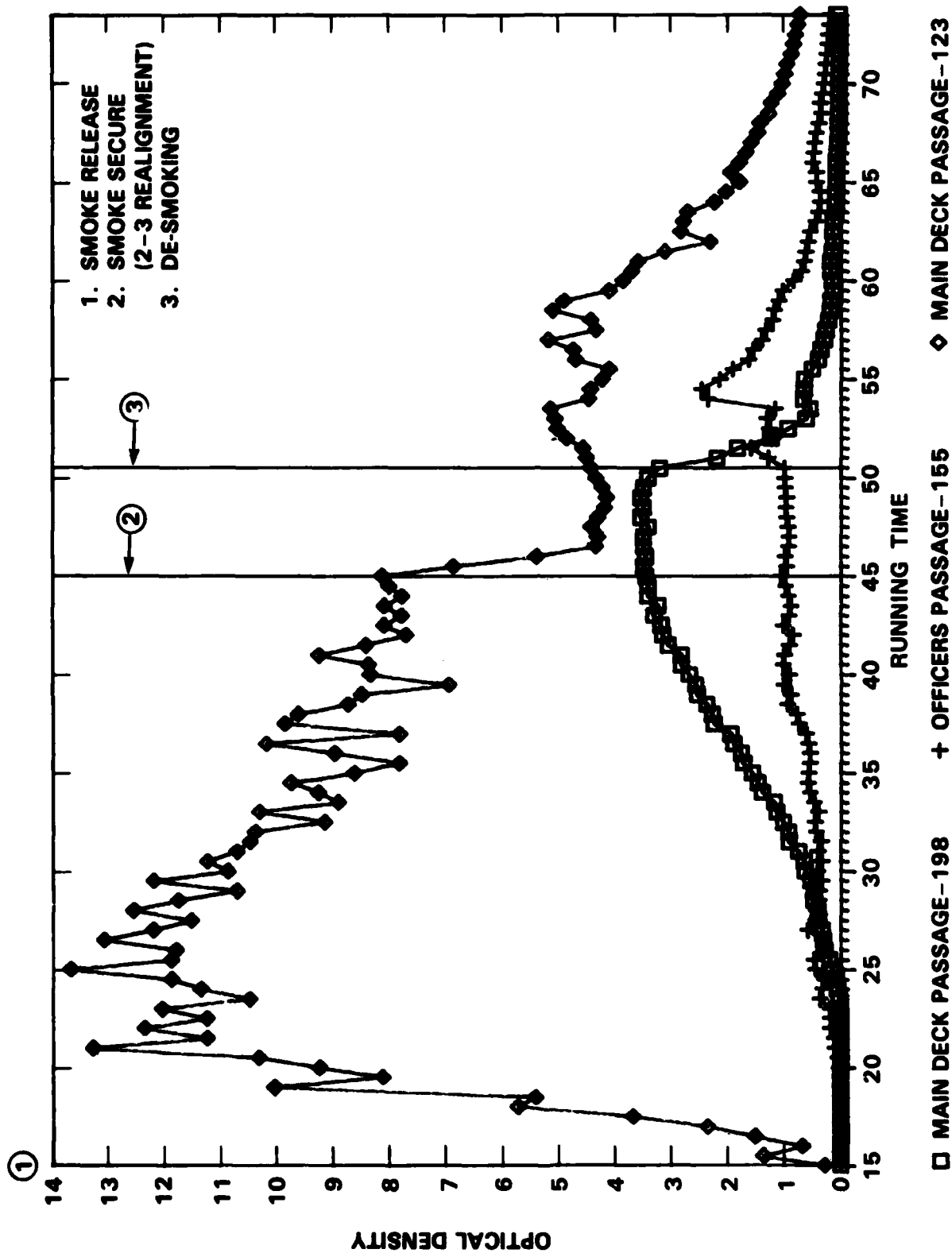


Fig 6a. Test 4, Item a.

Fig. 6. Optical density in Smoke Control Zone 3-2, Test 4.

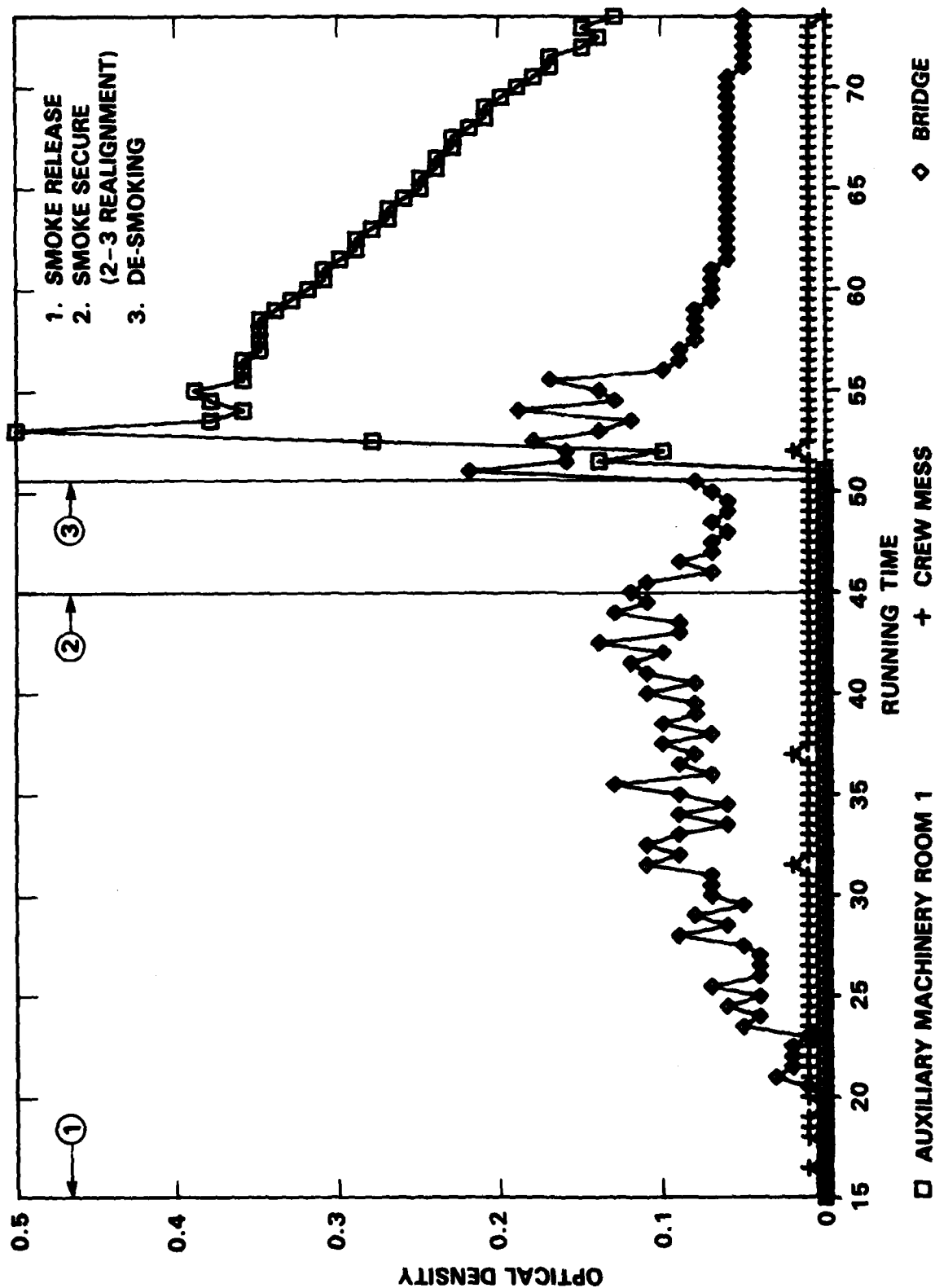


Fig 6b. Test 4, Item b.

Fig. 6. (Continued)



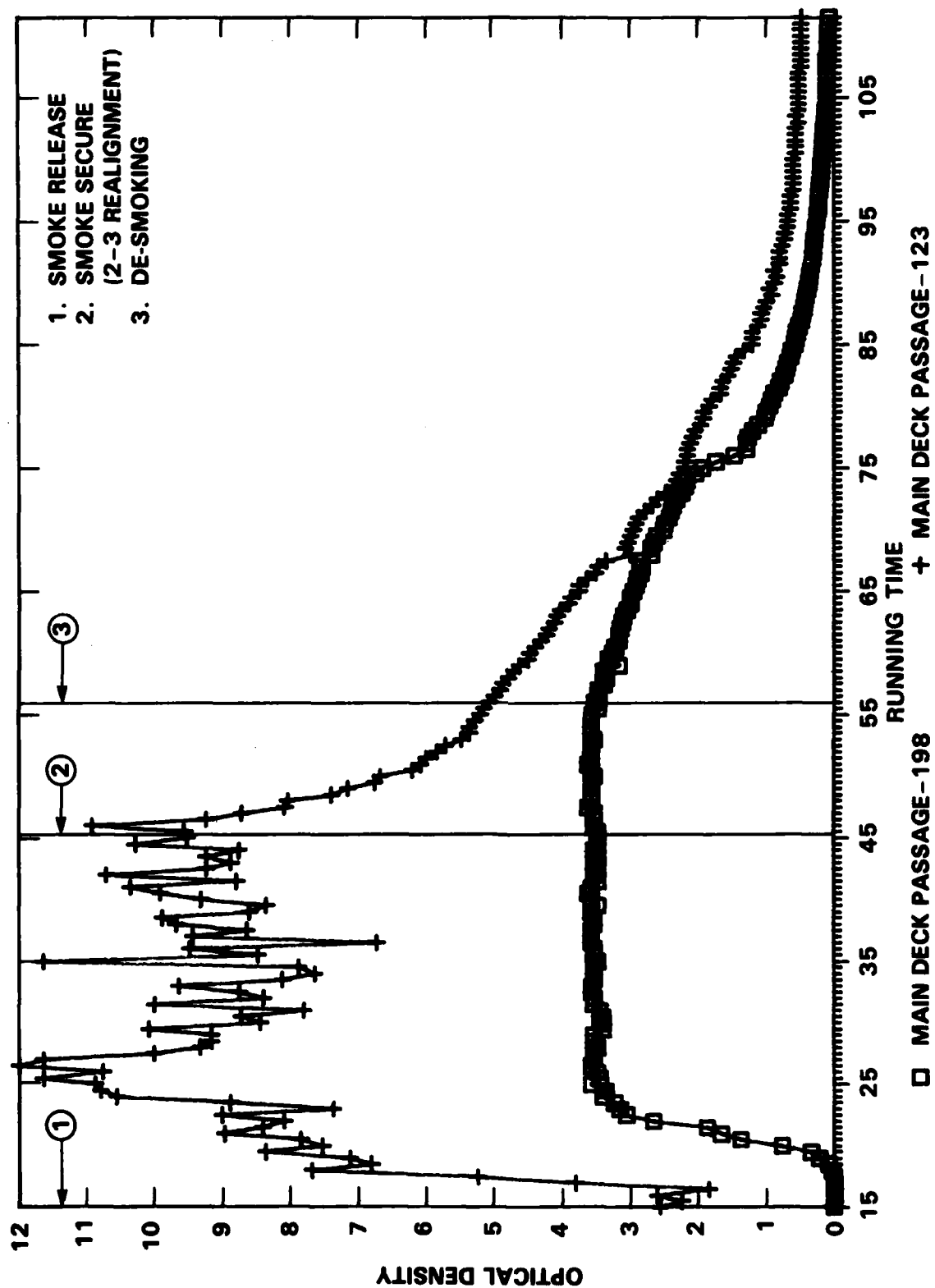


Fig 7a. Test 5, Item a.

Fig. 7. Optical density in Smoke Control Zone 3-2, Test 5.

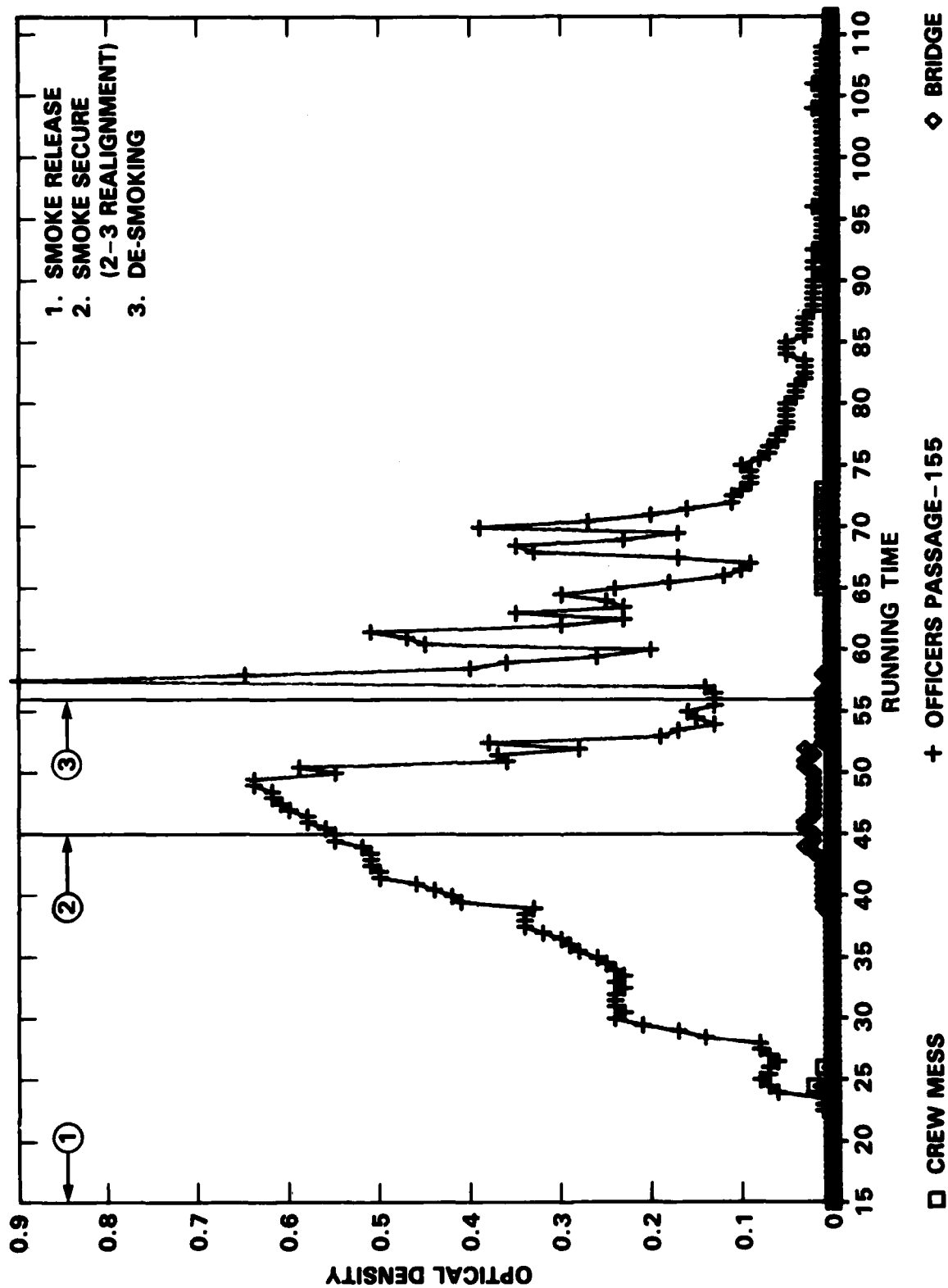


Fig. 7b. Test 5, Item b.

Fig. 7. (Continued)

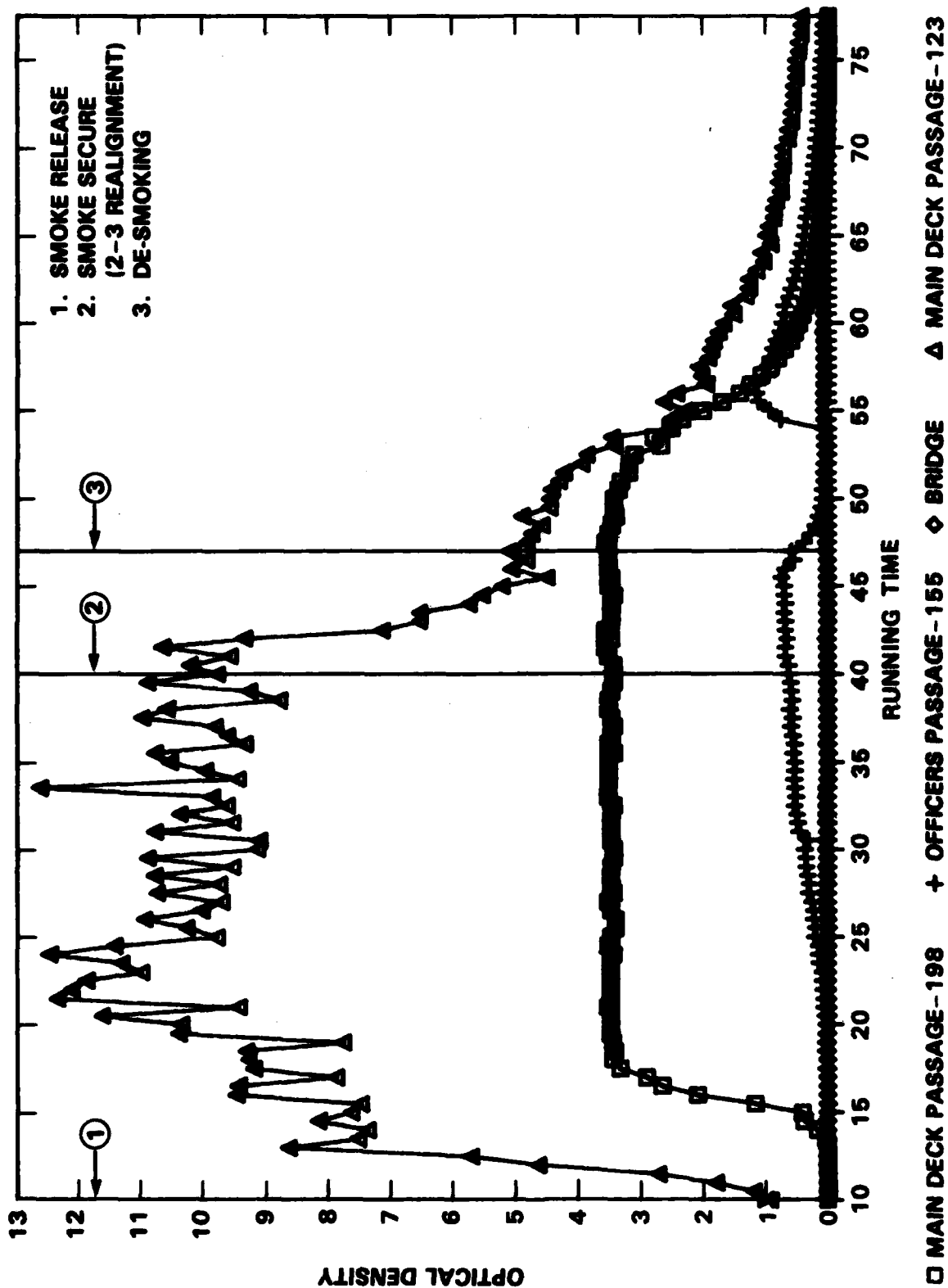


Fig. 8. Optical density in Smoke Control Zone 3-2, Test 6.

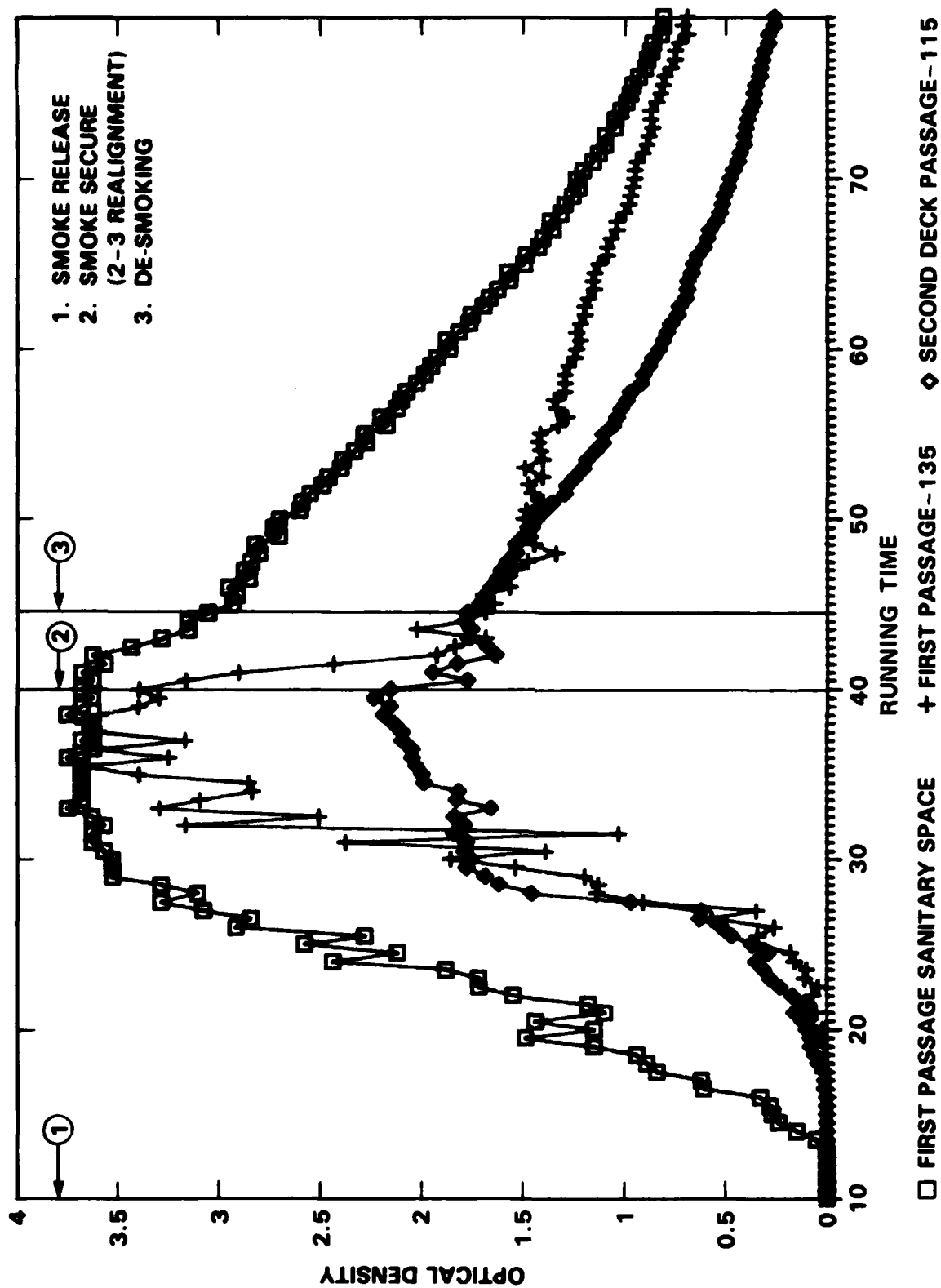


Fig 9a. Test 7, Item a.

Fig. 9. Optical density in Smoke Control Zone 3-1, Test 7.

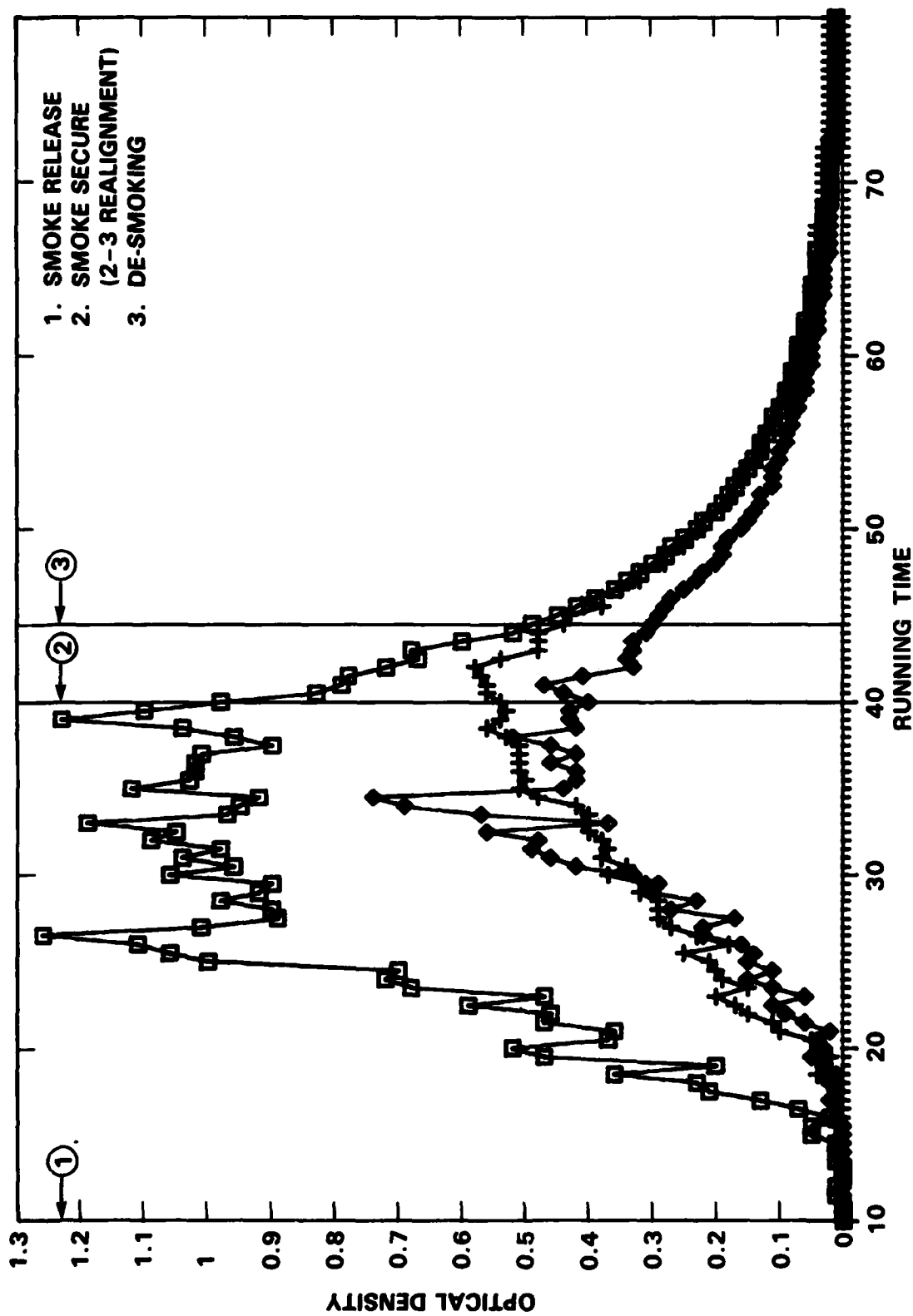


Fig. 9b. Test 7, Item b.

Fig. 9. (Continued)

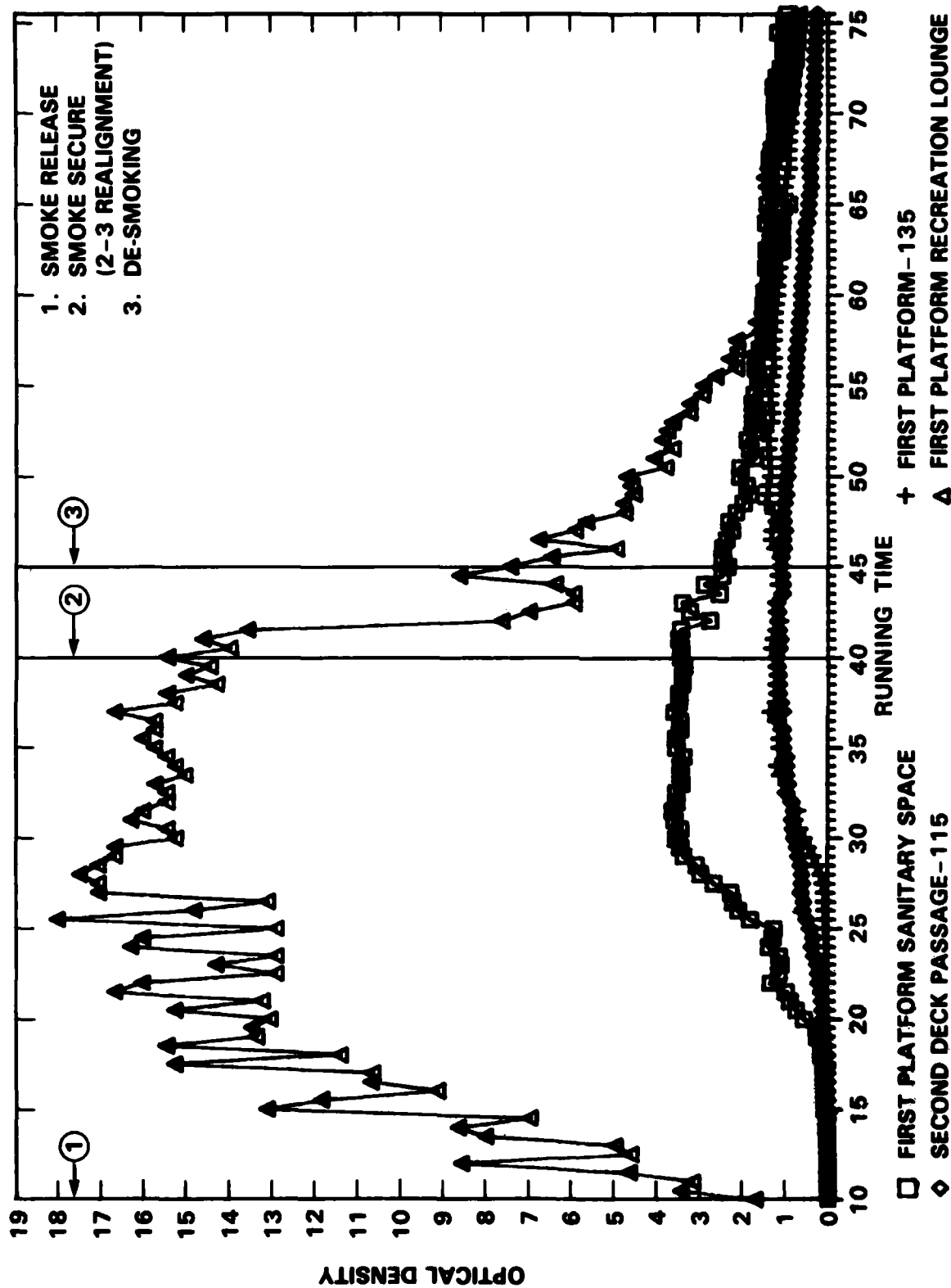
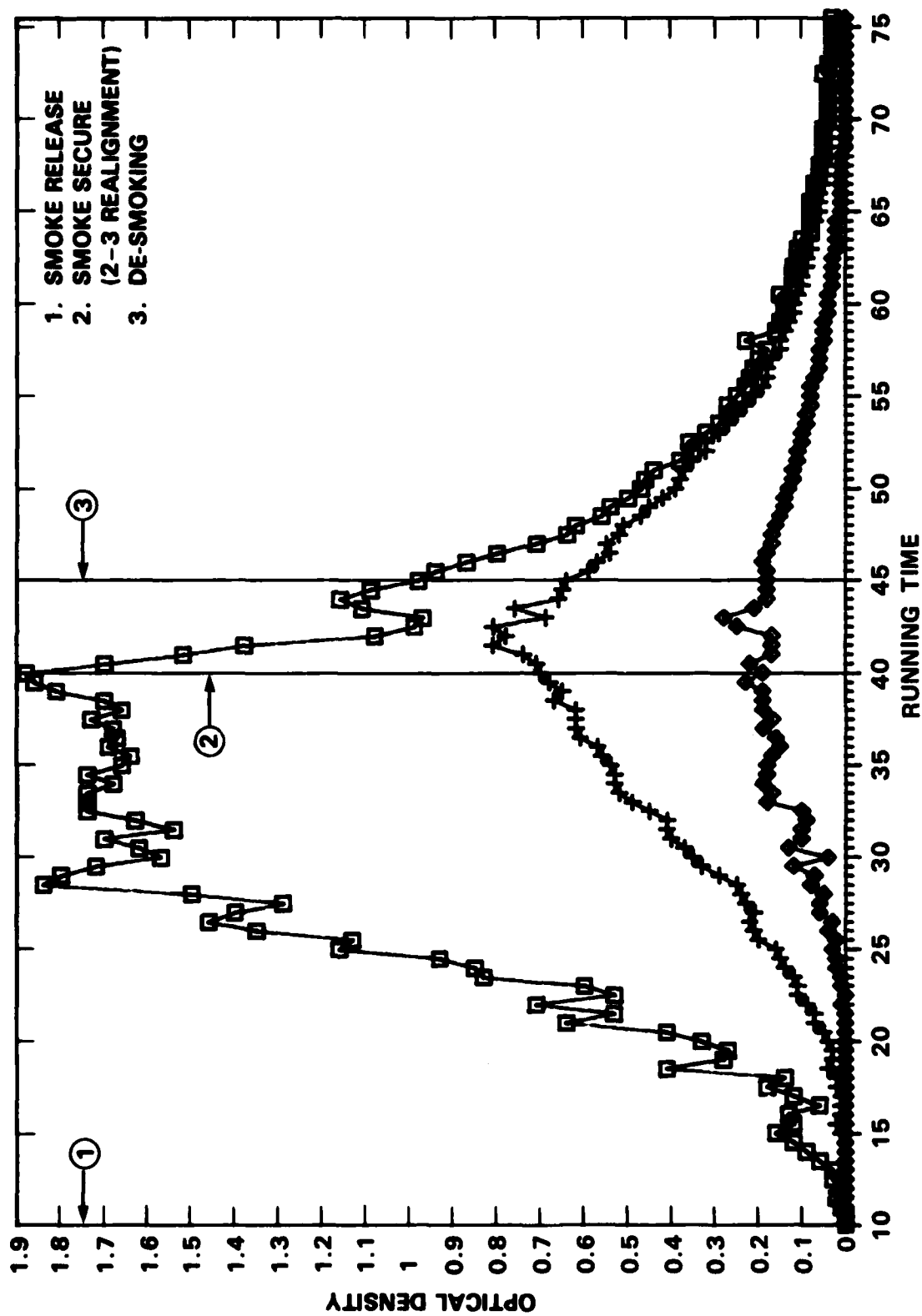


Fig 10a. Test 8, Item a.

Fig. 10. Optical density in Smoke Control Zone 3-1, Test 8.



□ SECOND DECK-120 + SECOND DECK RECREATION LOUNGE-104 ♦ SECOND DECK DRESSING AREA-116

Fig. 10b. Test 8, Item b.

Fig. 10. (Continued)

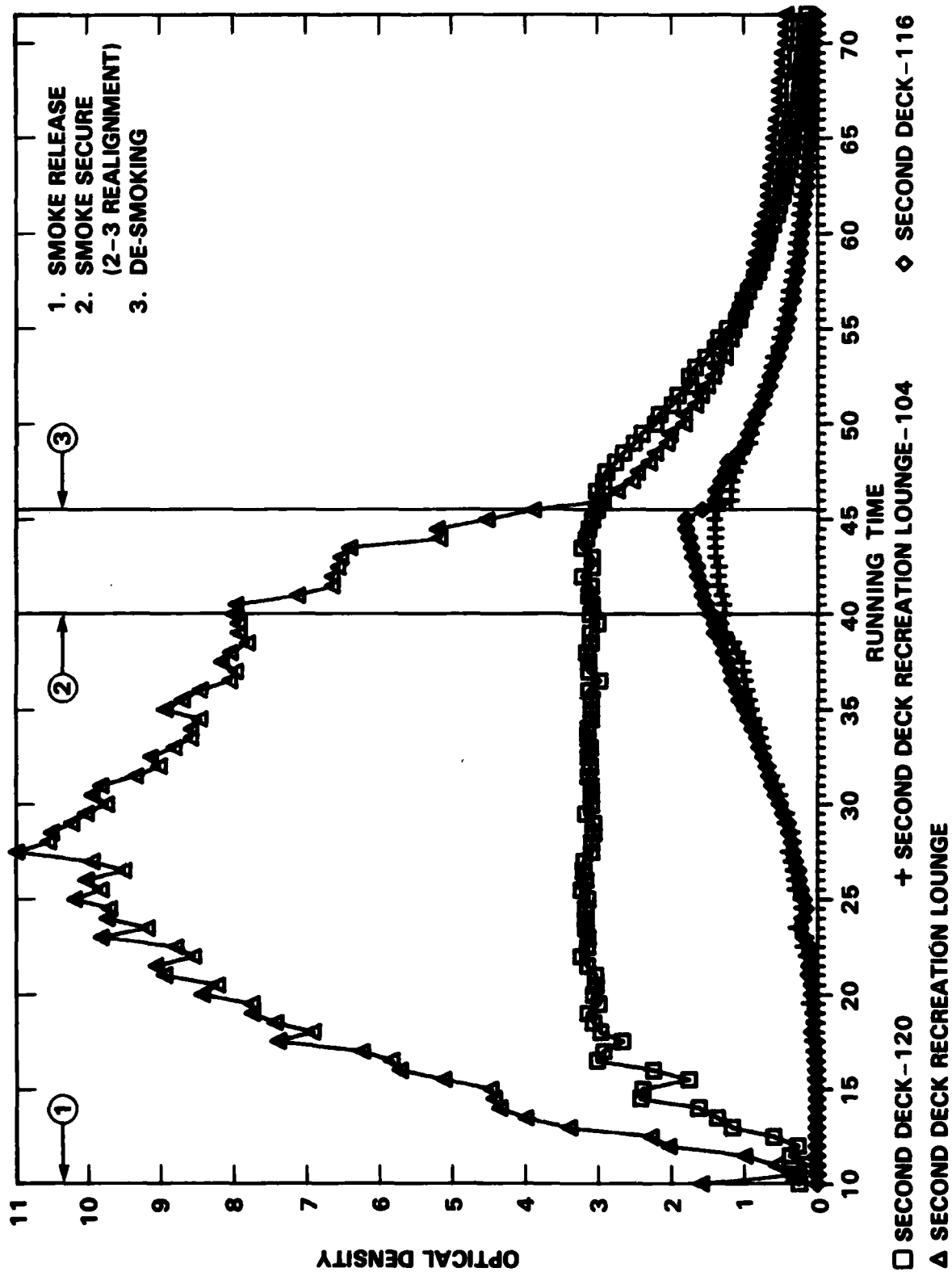


Fig 11a. Test 9A, Item a.

Fig. 11. Optical density in Smoke Control Zone 3-1, Test 9A.



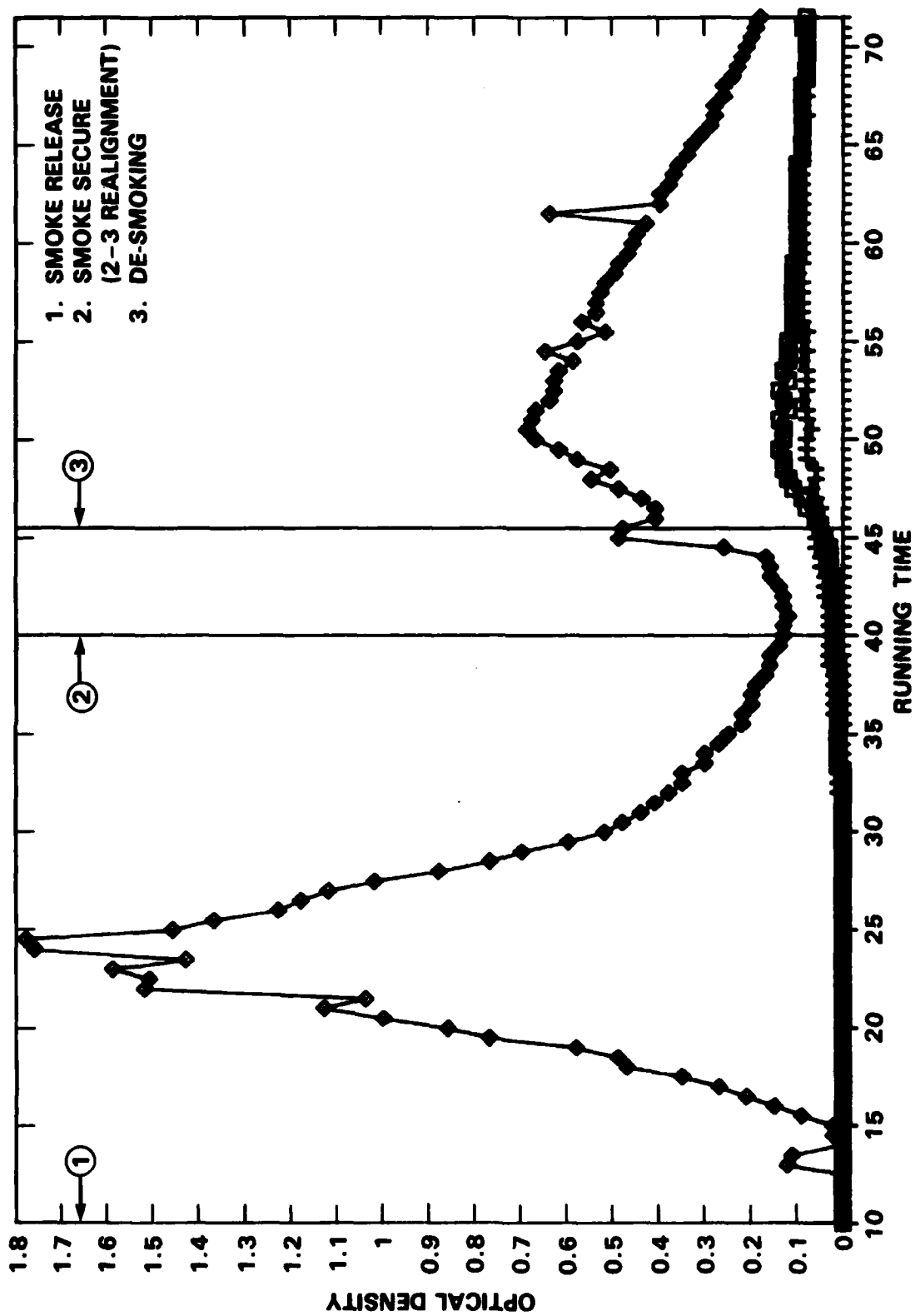


Fig. 11. Test 9A, Item b.

Fig. 11. (Continued)

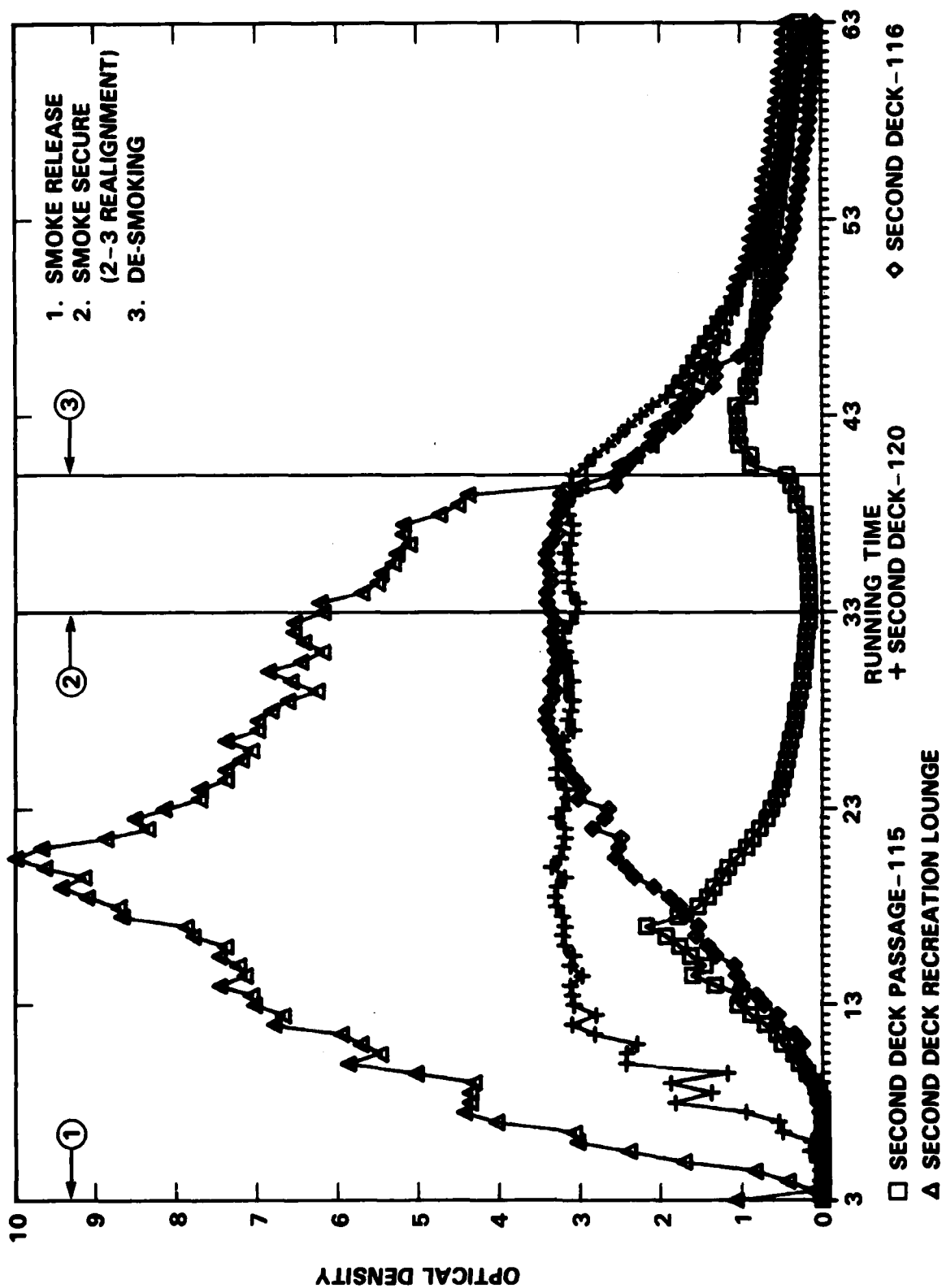
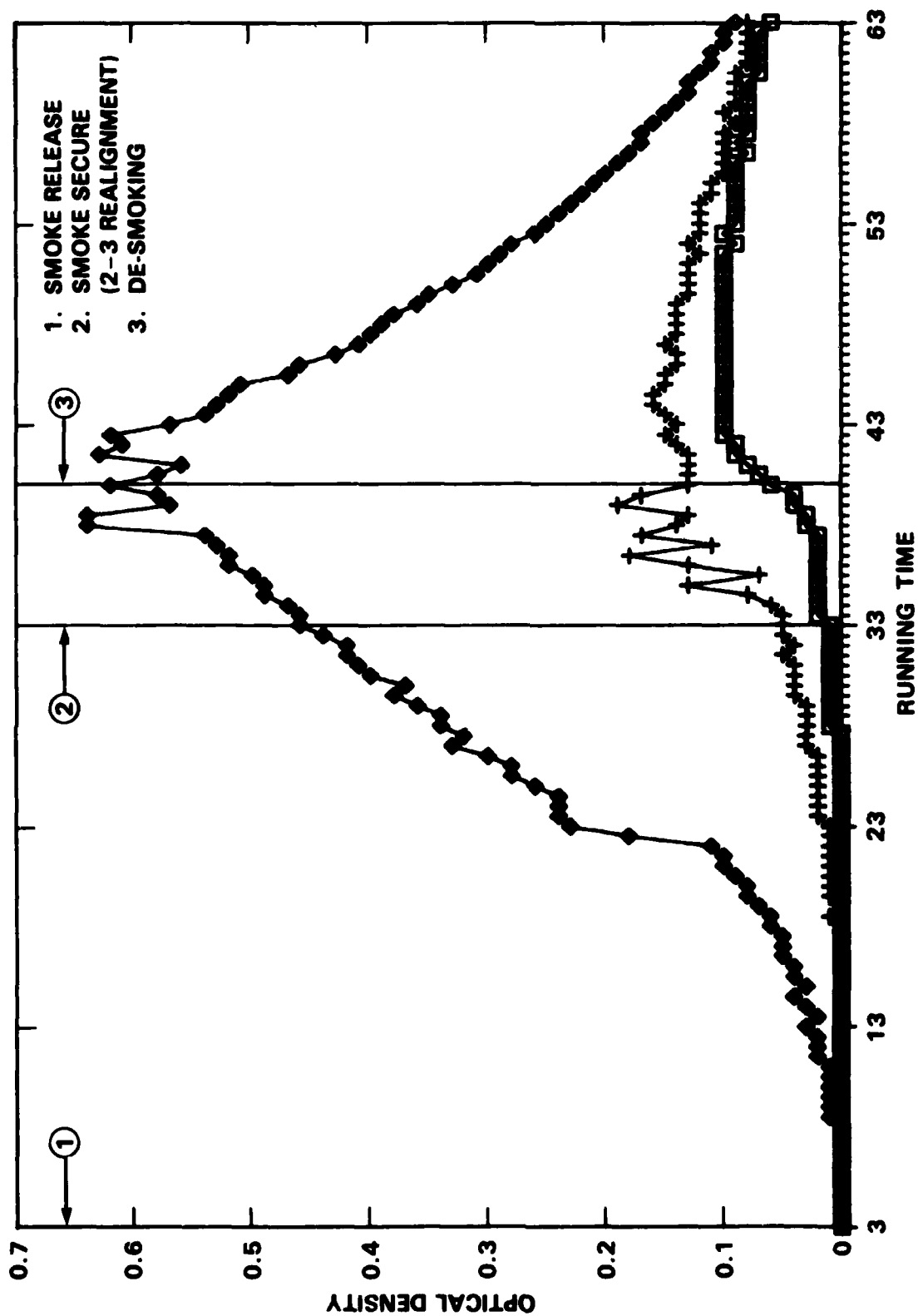


Fig. 12a. Test 10, Item a.

Fig. 12. Optical density in Smoke Control Zone 3-1, Test 10.



□ FIRST PLATFORM SANITARY SPACE + FIRST PLATFORM -135 ♦ SECOND DECK RECREATION LOUNGE -104

Fig. 12b. Test 10, Item b.

Fig. 12. (Continued)

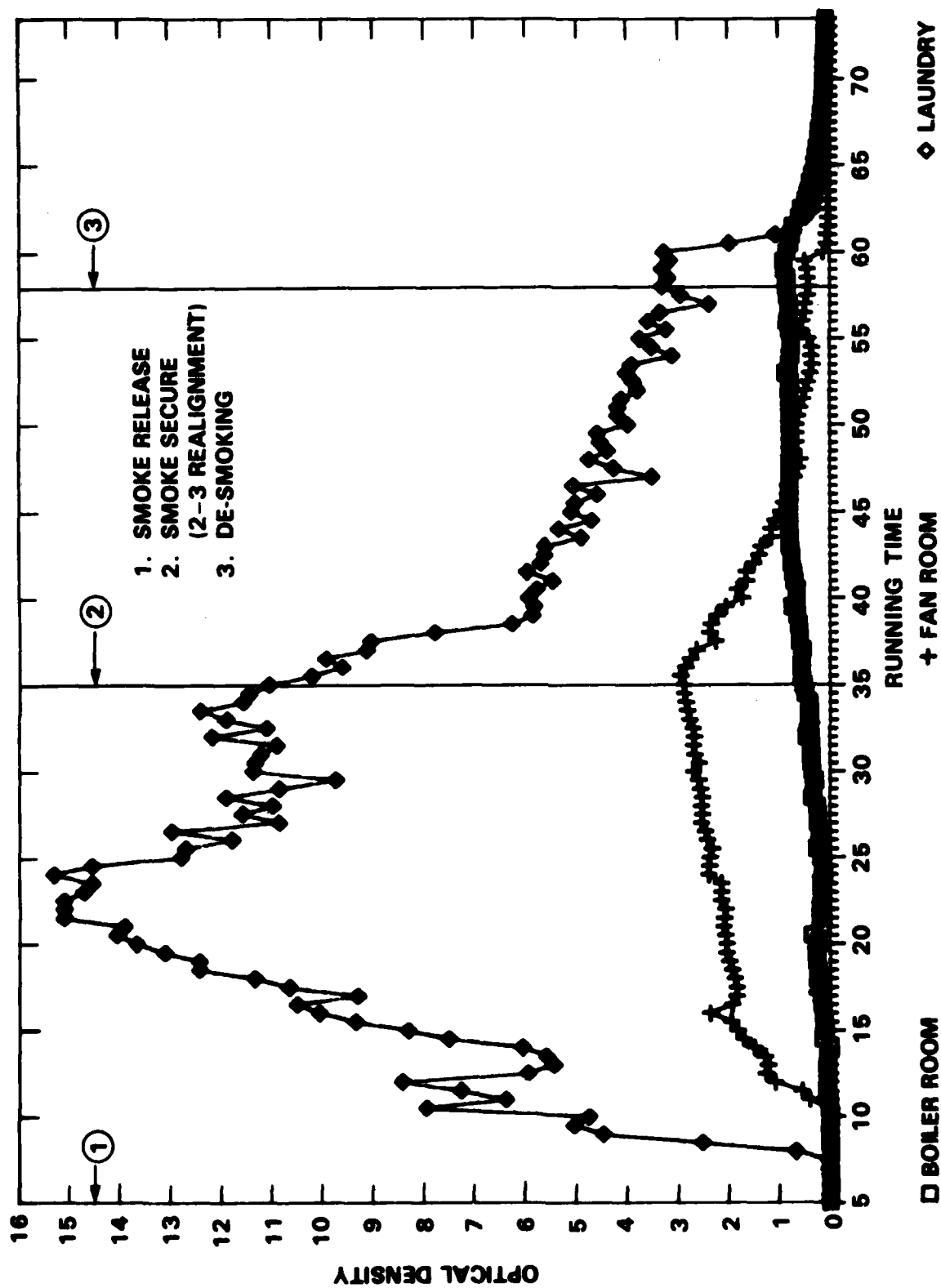


Fig. 13. Optical density in Smoke Control Zone 4-5, Test 11.

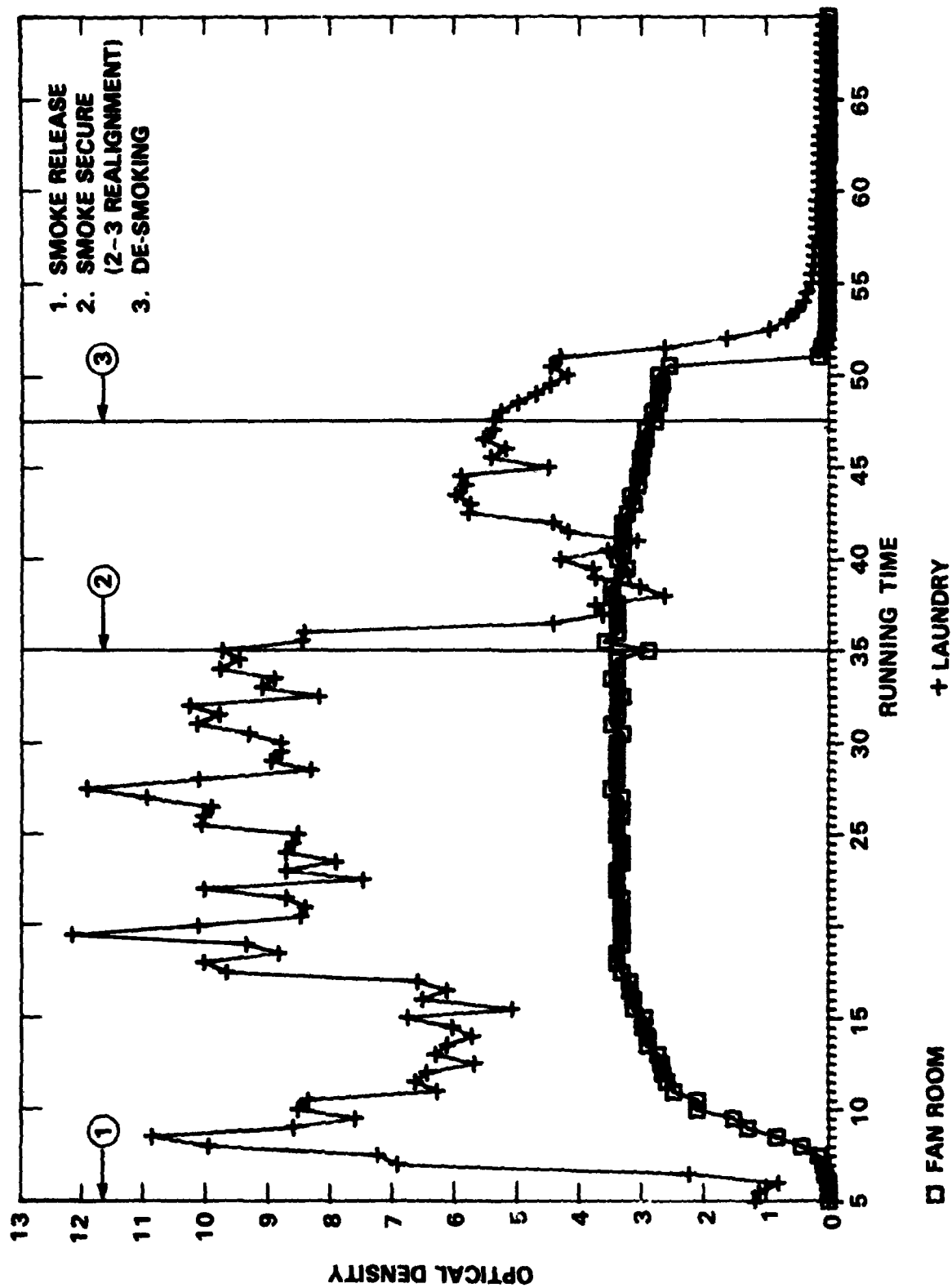


Fig. 14. Optical density in Smoke Control Zone 4-5, Test 12.

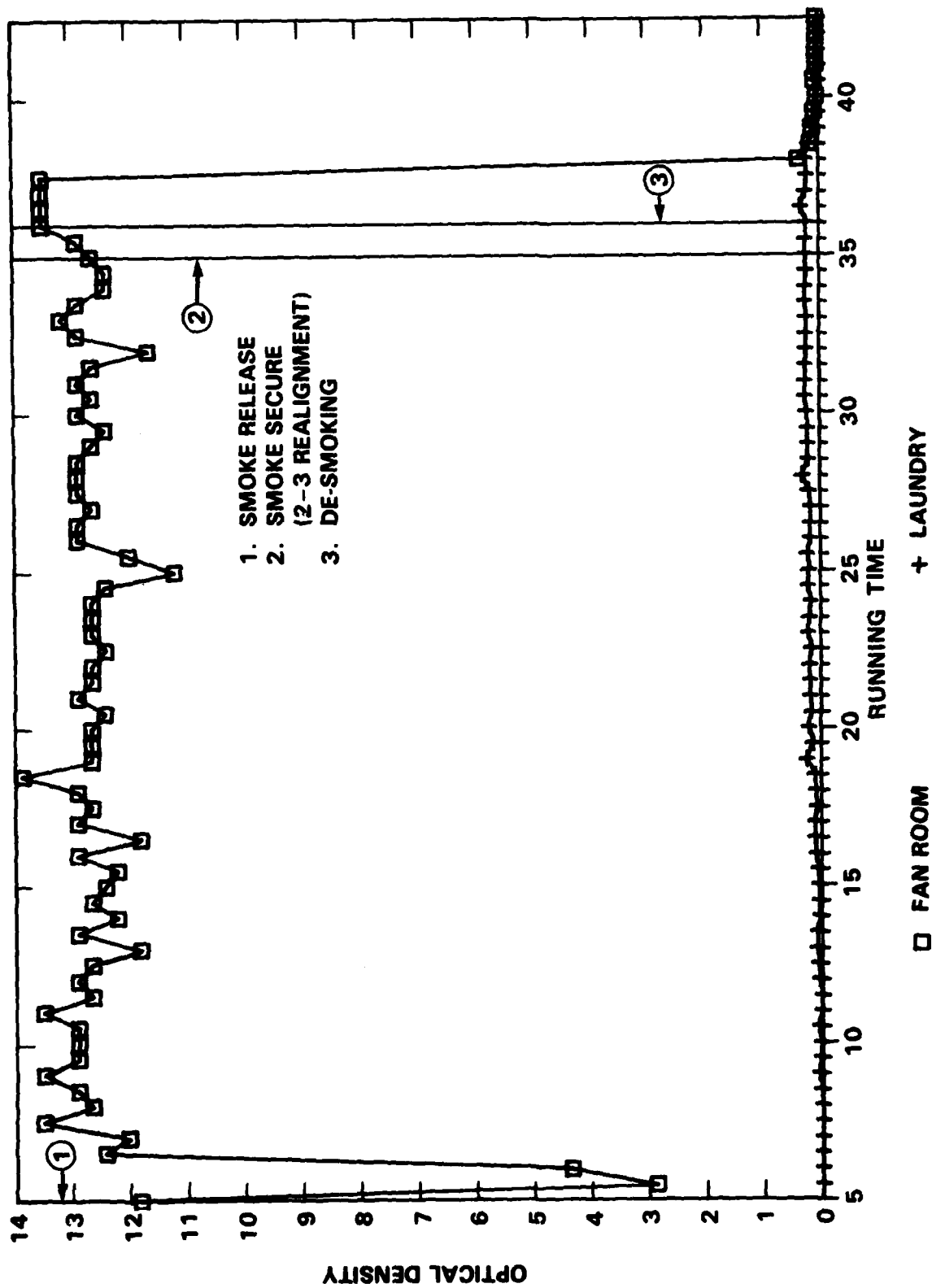


Fig. 15. Optical density in Smoke Control Zone 4-5, Test 13.

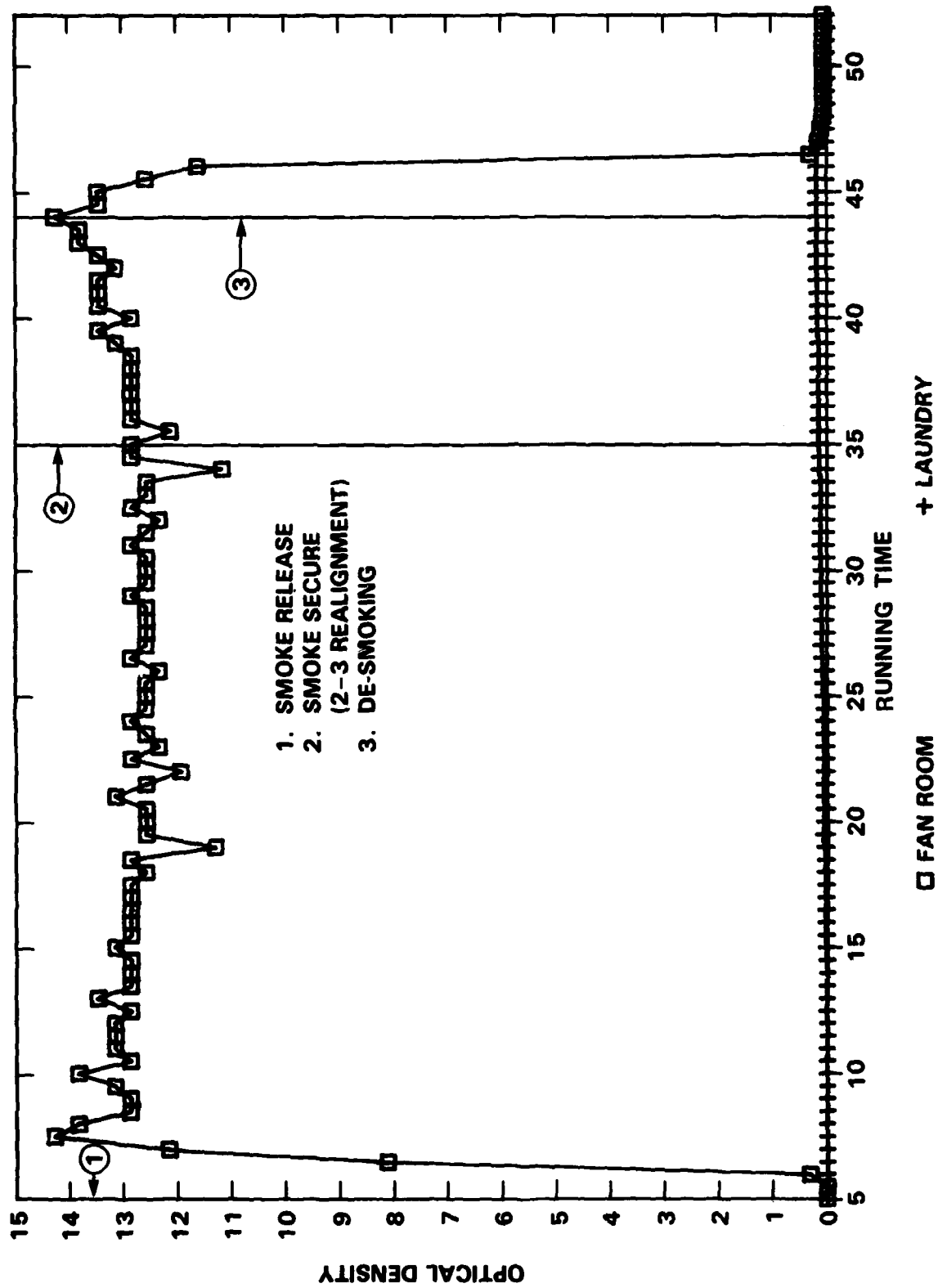


Fig. 16. Optical density in Smoke Control Zone 4-5, Test 14.

APPENDIX A  
TEST DESIGN



### Logic for Selection of Test Sites

The design used for the selection ensures sufficient contrast between the high/low (1/2) coded levels of the stratification variables, as shown below.

	Total Area (ft <sup>2</sup> )	Outlets Doors/Ladders	Total Exhaust Capacity
Low (1) X	926.5	3	1,945
High (2) X	8,486.5	65	13,437.5
Ratio	1 : 9.2	1 : 21.7	1 : 6.9

The number of compartments is embedded within the variable and denotes the square footage and the number of outlets. The 1 1 and 1 2 design codes also correspond to locations with the smaller number of compartments (average of 3); 2 1 and 2 2 have an average of 44.

The experimental design used was a 2x2 factorial design, the two variables being area/outlets and exhaust capacity. The four zones were selected because they each have more than one level, with tests being conducted on both levels (H,L). Two replicates at each level within each zone will be obtained, for a total of 16 data points. An additional four tests on SCZ 3-2 will provide a tighter estimate of the variance.

Table A.1. FFG 7 class smoke control zone pretest analysis.

Smoke Zone Index*	SCZ No.	No. of Levels	No. of Compartments Within Zone	Total Area (ft <sup>2</sup> )	Total Volume (ft <sup>3</sup> )	Location of Vessel**	Outlets Doors/Ladders	Total Exhaust Capacity
<u>All Zones Except Strictly Machinery/Munitions</u>								
2-E	01-2	1	1	72	660	Aft	1	3,385
3-B/M/E	1-1	2	7	3,058	42,634	Midships and aft	12	6,780
5-B/S	1-3	2	6	672	6,125	Midships	6	2,830
6-M/S	1-4	1	2	257	2,378	Midships	3	1,060
7-B	2-1	1	1	168	1,512	Midships	1	Not available
9-M/E	2-3	1	4	1,450	13,592	Aft	4	7,365
10-B	3-1	2	10	3,034	28,640	Forward	23	1,060
11-B/M/E/S	3-2	5	78	13,939	129,485	Forward and aft	107	17,500
14-B/M/E/S	3-5	2	24	4,935	48,655	Aft	36	7,365
15-M/E/S	4-1	3	28	2,997	32,441	Forward	24	8,740
18-M/E	4-4	2	5	1,270	11,152	Forward	6	8,740
19-M/S	4-5	2	5	1,181	13,032	Midships	4	9,375
<u>Four Smoke Zones</u>								
23-M/S	4-9	4	7	2,341	38,926	Midships	10	16,015
5-B/S	1-3	2	6	672	6,125	Midships	6	2,830
10-B	3-1	2	10	3,034	28,640	Forward	23	1,060
11-B/M/E/S	3-2	5	78	13,939	129,485	Forward and midships	107	17,500
19-M/S	4-5	2	5	1,181	13,032	Midships	4	9,375
*E - Electronic; B - Berthing/Messing/Living; M - Machinery/Munitions; S - Storage								

Table A.2. FFG 7 class smoke control testing experimental design.

Test No.	Zone No.	Level	Index	Design Code*
<u>Pretest</u>				
1	3-2	L	B/M/E/S	2 2
2	3-2	L	B/M/E/S	
3	3-2	H	B/M/E/S	
4	3-2	H	B/M/E/S	
<u>Factorial Design</u>				
5	3-2	H	B/M/E/S	
6	3-2	H	B/M/E/S	
7	3-2	L	B/M/E/S	
8	3-2	L	B/M/E/S	
9	3-1	L	B	2 1
10	3-1	L	B	
11	3-1	H	B	
12	3-1	H	B	
13	4-5	H	M/S	1 2
14	4-5	H	M/S	
15	4-5	L	M/S	
16	4-5	L	M/S	
17	1-3	L	B/S	1 1
18	1-3	L	B/S	
19	1-3	H	B/S	
20	1-3	H	B/S	
*1 1 Small square footage, low number of outlets, low exhaust capacity.				
1 2 Small square footage, low number of outlets, high exhaust capacity.				
2 1 Large square footage, high number of outlets, low exhaust capacity.				
2 2 Large square footage, high number of outlets, high exhaust capacity.				

Table A.3. Logic for selection of test sites.

2 x 2 Factorial Design with Replication

Design Codes

- 1 1 Low square footage, number of outlets, exhaust capacity
- 1 2 Low square footage, number of outlets, high exhaust capacity
- 2 1 Large square footage, number of outlets, low exhaust capacity
- 2 2 Large square footage, number of outlets, high exhaust capacity

Effect of level will be analyzed by running the analyses twice to determine if the parameters are effected by high or low location.

Experimental error for confidence intervals will be obtained from the error component of the full factorial design as well as the eight observations in Zone 3-2.

Sequencing of H and L levels are randomized.

APPENDIX B

DATA

# DATA INTERPRETATION

FILE- FILE NAME AND TEST #; ex: A:TEST1.PRN,data is on disk drive A,file name is TEST1.PRN and is test# 1.

No.Chan.- number of channels for temperature,pressure and optical density used in the test.ex: 15,sensors used in the test.

DATE- date of test run ex: 05-21-1986

Before Pr- time used to set condition ZEBRA and check instrumentation before test run.ex: 28.75 min

Preheat T- time necessary for the smoke generator to reach operating temperature.ex: 1.25 min

L/L TIME--:

M/H TIME :-Test portion which simulates the rapid expansion of gases

H/H TIME--: occurring at the start of a fire.ex: M/H TIME 2. (M)Medium air and SF<sub>6</sub> flowrate;(H)High setting on smoke generator for 2 minutes.

Second M/--:

Second H/--: -Test portion which simulates the steady state characteristics of a fire.ex: Second L/ 25 is equivalent to L/L TIME(low air flowrate etc.)for 25 minutes.

TIME MIN.	1	2	3	4	5	11	12	13	16	17	18	19	20	21	2
	TEMP1	TEMP2	TEMP3	TEMP4	TEMP5	PRES1	PRES2	PRES3	IRLED1	IRLED2	IRLED3	IRLED4	IRLED5	IRLED6	IRLED7
0	80.4	76.88	70.73	60.19	79.08	0.03	0.01	0.01	0	0	0	0	0	0	0
0.5	79.08	76.88	71.17	59.75	79.08	0.03	0.13	0.01	0	0	0	0	0	0	0

Time,min

channel #3

Temp 3

@ t=0 min T=70,73F

@ t=0.5 min T=71.17 F

channel #12

Pres 2

@ t=0 P=0.01 in.H<sub>2</sub>O

@ t=0.5 P=0.13 in. H<sub>2</sub>O

channel #19

Irled 4

@ t=0 O.D.=0

@ t=0.5 O.D.=0

LOCATION OF SENSORS, SCZ 3-2, LOW, TEST NO. 1-2

TEMP1- TEMP AUX. MACH RM. 1

TEMP2- TEMP CREW MESS

TEMP3- TEMP OFFICERS PASSAGE

TEMP4- TEMP BRIDGE

TEMP5- TEMP AIR FLOWMETER

PRES1- PRESSURE RELEASE SPACE (ELEVATOR MACH. SPACE)

PRES2- PRESSURE FLOWMETER INLET

PRES3- DIFFERENTIAL PRESSURE ACROSS FLOWMETER INLET AND OUTLET

IRLED1- LASER SBI-RM \*(MN.DK.P-198)

IRLED2- LASER CPO QTRS. \*(SBI-RM.)

IRLED3- LASER CREW MESS

IRLED4- LASER MN.DK.P-198 \*(CPO QTRS.)

IRLED5- LASER MN.DK.P-155

IRLED6- LASER BRIDGE

IRLED7- LASER ELEVATOR MACH. SPACE

\*() TEST \* 2

FILE A:TEST1.PRM

No.Chan. 15

DATE 05-21-1986

Before Pr 28.75

Preheat T 1.25

L/L TIME 1

M/H Time 2

H/H Time 3

Second M/ 2

Second L/ 25

TIME	1	2	3	4	5	11	12	13	16	17	18	19	20	21	22
MIN.	TEMP1	TEMP2	TEMP3	TEMP4	TEMP5	PRES1	PRES2	PRES3	IRLED1	IRLED2	IRLED3	IRLED4	IRLED5	IRLED6	IRLED7
0	80.4	76.88	70.73	60.19	79.08	0.03	0.01	0.01	0	0	0	0	0	0	0
0.5	79.08	76.88	71.17	59.75	79.08	0.03	0.13	0.01	0	0	0	0	0	0	0
1	79.96	77.32	71.17	59.31	79.08	0.03	0.01	0.01	0	0	0	0	0	0	0
1.5	79.96	76.88	70.73	59.75	79.08	0.03	0.01	0.01	0	0	0	0	0	0	0
2	80.4	76.88	71.17	59.31	79.08	0.03	0.02	0.01	0	0	0	0	0	0	0
2.5	80.84	77.32	70.73	59.75	79.52	0.03	0.01	0.01	0	0	0	0	0	0	0
3	80.4	77.32	70.73	59.31	79.08	0.03	0.01	0.01	0	0	0	0	0	0	0
3.5	80.4	77.76	70.73	59.31	79.08	0.03	0.02	0.01	0	0	0	0	0	0	0
4	79.96	78.2	70.73	58.87	79.08	0.03	0.01	0.01	0	0	0	0	0	0	0
4.5	79.52	77.76	70.29	59.31	79.08	0.03	0.01	0.01	0	0	0	0	0	0	0
5	79.96	77.32	70.29	59.31	79.08	0.03	0.02	0	0	0	0	0	0	0	0
5.5	80.4	76.88	70.73	59.75	79.08	0.03	0.01	0.01	0	0	0	0	0	0	0
6	79.52	78.2	70.73	59.31	79.08	0.03	0.01	0.01	0	0	0	0	0	0	0
6.5	79.96	77.76	70.73	58.87	79.08	0.03	0.01	0.01	0	0	0	0	0	0	0
7	80.4	77.32	70.73	59.31	78.64	0.02	0.01	0.01	0	0	0	0	0	0	0
7.5	80.4	77.32	70.73	59.75	79.52	0.03	0.01	0	0	0	0	0	0	0	0
8	80.4	77.32	70.73	58.87	79.08	0.03	0.01	0.01	0	0	0	0	0	0	0
8.5	80.4	77.76	71.17	59.31	79.52	0.03	0.01	0.01	0	0	0	0	0	0	0
9	80.4	77.76	70.73	59.31	79.08	0.04	0.01	0.01	0	0	0	0	0	0	0
9.5	79.96	77.32	70.73	59.75	79.08	0.03	0.02	0.01	0	0	0	0	0	0	0
10	79.96	77.32	70.73	59.75	79.08	0.03	0.01	0.01	0	0	0	0	0	0	0
10.5	79.96	78.2	70.73	59.31	79.52	0.03	0.01	0.01	0	0	0	0	0	0	0
11	80.4	77.76	70.73	59.31	79.08	0.03	0.01	0.03	0	0	0	0	0	0	0
11.5	80.4	77.76	70.73	59.75	79.08	0.03	0.02	0	0	0	0	0	0	0	0
12	80.4	77.32	70.73	58.87	79.52	0.03	0.01	0	0	0.01	0	0	0	0	0
12.5	79.96	78.2	70.73	59.75	79.52	0.05	0.01	0	0	0	0	0	0	0	0
13	79.96	78.2	70.73	59.75	79.52	0.03	0.01	0.01	0	0	0	0	0	0	0
13.5	80.4	77.76	70.73	58.87	79.08	0.03	0.02	0.01	0	0.01	0	0	0	0	0
14	80.4	78.2	71.17	59.31	79.52	0.03	0.01	0.01	0	0.01	0	0	0	0	0
14.5	79.52	78.2	71.17	59.31	79.52	0.03	0.01	0.01	0	0.01	0	0	0	0	0
15	80.4	78.2	70.73	59.31	79.08	0.03	0.02	0.01	0	0.01	0	0	0	0	0
15.5	78.64	79.08	70.73	59.31	79.08	0.03	0.01	0.01	0	0.01	0	0	0	0	0
16	79.96	79.52	71.17	59.31	79.08	0.04	0.01	0.01	0	0.01	0	0	0	0	0
16.5	79.96	79.08	70.73	59.75	79.08	0.03	0.02	0.02	0	0.01	0	0	0	0	0
17	80.4	79.08	71.17	59.31	79.08	0.03	0.02	0.01	0	0	0	0	0	0	0
17.5	80.4	78.64	71.17	59.31	79.08	0.04	0.01	0.01	0	0	0	0	0	0	0
18	80.4	79.08	70.73	59.31	79.08	0.03	0.01	0.01	0	0	0	0	0	0	0
18.5	79.96	78.64	71.17	59.31	79.52	0.03	0.02	0.01	0	0.01	0	0	0	0	0
19	80.4	78.64	71.17	59.31	79.08	0.03	0.01	0.01	0	0.01	0	0	0	0	0
19.5	79.52	79.08	71.17	59.31	79.08	0.03	0.01	0.01	0	0.01	0	0	0	0	0
20	79.96	79.52	71.17	58.87	79.08	0.03	0.01	0.01	0	0.01	0	0	0	0	0
20.5	80.4	79.52	71.17	58.87	79.52	0.03	0.01	0.01	0	0.01	0	0	0	0	0
21	80.4	79.52	71.17	59.31	79.52	0.03	0.01	0.01	0	0.01	0	0	0	0	0



21.5	79.96	79.08	71.17	59.31	79.08	0.03	0.01	0.01	0	0.01	0	0	0	0	0
22	79.52	78.64	71.17	58.87	79.52	0.04	0	0.01	0	0.01	0	0	0	0	0
22.5	80.4	78.64	71.61	58.87	79.08	0.04	0.01	0	0	0.01	0	0	0	0	0
23	79.96	78.64	71.17	59.31	79.08	0.03	0.01	0.02	0	0.01	0	0	0	0	0
23.5	79.52	79.08	71.17	59.31	79.08	0.03	0.01	0.01	0	0.01	0	0	0	0	0
24	79.52	79.08	71.17	58.87	79.08	0.04	0.01	0.01	0	0.01	0	0	0	0	0
24.5	80.4	78.64	71.17	59.31	79.08	0.04	0.01	0.01	0	0.01	0	0	0	0	0
25	79.96	79.08	71.17	58.87	79.52	0.04	0.01	0.02	0	0.01	0	0	0	0	0
25.5	80.4	79.08	71.17	58.87	79.08	0.03	0.01	0.01	0	0.01	0	0	0	0	0
26	79.96	79.08	71.17	59.31	79.08	0.03	0.01	0.01	0	0.01	0	0	0	0	0
26.5	79.96	79.08	71.61	59.31	79.08	0.03	0.01	0.01	0	0.01	0	0	0	0	0
27	80.4	79.08	71.61	58.87	79.08	0.03	0.01	0	0	0.01	0	0	0	0	0
27.5	80.84	79.08	72.05	59.31	79.08	0.04	0.01	0.01	0	0.01	0	0	0	0	0
28	79.52	78.64	71.61	59.31	79.52	0.03	0.01	0.01	0	0.01	0	0	0	0	0
28.5	79.96	79.08	71.17	59.75	79.08	0.01	0.17	0.01	0	0.01	0	0	0	0	0
29	79.52	79.08	71.61	59.31	79.52	0.04	0.02	0.02	0	0.01	0	0	0	0	0
29.5	79.08	79.52	71.17	59.31	79.08	0.08	0.01	0.01	0	0.01	0	0	0	0	1.52
30	79.08	79.08	71.61	58.87	79.52	0.03	0.01	0.01	0	0.01	0	0	0	0	2.06
30.5	79.08	79.96	71.61	58.87	79.08	0.01	0.37	0.27	0	0.01	0	0	0	0	2.44
31	79.52	79.08	71.61	59.31	79.08	0.03	0.37	0.31	0	0.01	0	0	0	0	2.44
31.5	78.64	78.64	71.61	58.87	79.08	0.06	0.67	0.68	0	0.01	0	0	0	0	5.8
32	78.2	79.08	71.61	58.43	79.08	0.05	0.69	0.73	0	0.01	0	0	0	0	8.88
32.5	78.2	78.64	71.17	58.43	79.52	0.09	0.65	0.63	0	0.01	0	0	0	0	13.04
33	78.64	79.08	71.17	59.31	79.08	0.05	0.74	0.68	0	0.02	0	0	0	0	17.6
33.5	79.08	78.2	71.17	58.43	79.08	0.09	1.03	1.18	0	0.02	0.01	0.01	0	0	20.08
34	78.64	79.52	71.61	59.75	79.08	0.09	1.12	1.2	0	0.03	0	0	0	0	18.6
34.5	79.08	79.52	71.61	58.87	79.08	0.09	1.07	1.18	0	0.03	0	0	0	0	23.28
35	79.08	79.52	71.61	58.43	79.52	0.08	0.99	1.18	0	0.03	0	0	0	0	17.6
35.5	79.52	79.08	71.17	59.31	79.08	0.09	1.01	1.18	0	0.03	0	0	0	0	12.48
36	78.64	79.96	71.61	58.87	79.08	0.09	1.19	1.16	0	0.03	0	0	0	0	8.16
36.5	79.08	79.52	72.05	59.31	79.52	0.05	0.78	0.59	0	0.03	0	0	0	0	9.92
37	79.08	79.96	71.61	58.43	79.52	0.04	0.71	0.73	0	0.03	0.01	0.01	0	0	12.56
37.5	79.96	79.52	71.17	59.31	79.52	0.05	0.62	0.67	0	0.03	0	0	0	0	14.04
38	79.96	79.96	71.61	59.31	79.08	0.04	0.57	0.63	0	0.04	0	0	0	0	16.04
38.5	79.52	79.08	71.61	58.87	79.52	0.03	0.32	0.35	0	0.04	0	0	0	0	16.88
39	79.08	79.52	71.61	59.31	79.52	0.07	0.34	0.34	0	0.05	0	0	0	0	19.24
39.5	79.96	79.96	71.61	59.31	79.08	0.06	0.33	0.4	0	0.05	0	0	0	0	19.24
40	79.96	79.96	71.61	58.87	79.52	0.03	0.24	0.32	0	0.05	0	0	0	0	23.28
40.5	79.08	79.96	71.17	58.87	79.52	0.05	0.3	0.25	0	0.06	0	0	0	0	23.28
41	79.52	80.4	71.61	58.43	79.08	0.04	0.29	0.3	0	0.06	0	0	0	0	23.28
41.5	79.08	80.4	71.61	59.31	79.52	0.05	0.3	0.32	0	0.06	0	0	0	0	23.28
42	79.96	80.4	71.61	58.87	79.08	0.04	0.3	0.35	0	0.08	0	0	0	0	23.28
42.5	79.52	80.84	71.61	58.43	79.52	0.04	0.33	0.28	0	0.08	0	0.01	0	0	23.28
43	79.52	80.84	72.05	58.87	79.52	0.04	0.3	0.28	0	0.08	0	0	0	0	23.28
43.5	80.4	80.84	71.61	58.87	79.08	0.06	0.26	0.37	0	0.09	0	0.01	0	0	23.28
44	79.96	79.52	71.61	58.43	79.08	0.05	0.34	0.35	0	0.09	0	0	0	0	21.24
44.5	79.96	79.96	71.61	58.87	79.08	0.05	0.34	0.33	0	0.09	0	0.01	0	0	23.28
45	79.96	79.52	71.61	59.43	79.08	0.04	0.33	0.3	0	0.1	0	0.01	0	0	23.28
45.5	79.08	79.96	71.61	58.87	79.08	0.04	0.25	0.34	0	0.1	0	0.01	0	0	20.08
46	79.96	80.4	71.61	58.87	79.08	0.04	0.34	0.29	0	0.1	0	0.01	0	0	20.08
46.5	79.96	80.4	71.61	58.87	79.52	0.04	0.32	0.29	0	0.09	0	0.01	0	0	19.24
47	79.52	80.4	72.05	58.87	79.08	0.05	0.32	0.33	0	0.09	0	0.01	0	0	16.88
47.5	79.08	80.4	71.61	58.87	79.08	0.05	0.34	0.29	0	0.09	0	0.01	0	0	16.04
48	79.52	80.84	71.61	58.87	79.08	0.04	0.32	0.31	0	0.09	0	0.01	0	0	14.28
48.5	79.52	81.28	72.05	58.87	79.08	0.05	0.34	0.36	0	0.08	0	0.01	0	0	12.68
49	79.96	79.96	72.05	58.87	79.08	0.04	0.28	0.32	0	0.08	0	0.01	0	0	11

49.5	79.98	80.84	72.05	58.43	79.52	0.04	0.34	0.33	0	0.08	0	0.01	0	0.01	10.68
50	79.52	79.98	71.61	58.87	79.08	0.03	0.45	0.35	0	0.08	0	0.01	0	0	9.68
50.5	79.98	79.98	72.05	57.99	79.08	0.06	0.28	0.24	0	0.08	0	0.01	0	0	8.76
51	79.98	79.98	71.61	58.87	79.08	0.06	0.35	0.33	0	0.08	0	0.01	0	0.01	7.68
51.5	79.98	79.52	71.61	58.43	79.08	0.03	0.38	0.32	0	0.07	0	0.01	0	0	6.96
52	79.08	79.52	72.05	58.87	79.52	0.04	0.28	0.33	0	0.07	0	0.01	0	0.01	8.48
52.5	79.52	79.98	71.61	58.87	79.08	0.04	0.33	0.33	0	0.07	0	0.01	0	0.01	10.48
53	79.98	80.84	71.61	58.87	79.08	0.05	0.31	0.4	0	0.07	0	0.01	0	0.01	12.32
53.5	79.98	80.4	72.05	58.43	79.08	0.06	0.35	0.39	0	0.07	0	0.01	0	0.01	15.04
54	79.08	81.28	72.05	58.87	79.08	0.02	0.39	0.37	0	0.07	0	0.01	0	0	17.6
54.5	79.08	81.28	71.61	59.31	79.08	0.05	0.34	0.34	0	0.07	0	0.01	0	0.01	23.28
55	80.4	81.28	72.05	58.87	79.08	0.06	0.45	0.29	0	0.08	0	0.01	0	0.01	23.28
55.5	79.98	81.72	72.05	58.43	79.08	0.03	0.41	0.35	0	0.08	0	0.01	0	0	20.08
56	80.4	80.84	72.05	58.43	79.08	0.02	0.34	0.31	0	0.09	0	0.01	0	0.01	23.28
56.5	79.98	80.4	72.05	58.43	79.08	0.05	0.4	0.33	0	0.09	0	0.01	0	0.01	23.28
57	80.4	80.4	72.05	58.87	79.08	0.06	0.34	0.31	0	0.09	0	0.01	0	0	23.28
57.5	79.98	80.84	72.05	58.43	79.08	0.01	0.3	0.34	0	0.1	0	0.01	0	0.01	23.28
58	79.98	80.84	72.05	58.87	79.08	0.03	0.36	0.33	0	0.1	0	0.01	0	0.01	23.28
58.5	80.4	80.84	72.05	58.43	79.08	0.03	0.4	0.33	0	0.1	0	0.01	0	0	23.28
59	80.4	80.84	72.49	57.55	79.52	0.04	0.37	0.35	0	0.1	0	0.01	0	0	23.28
59.5	79.98	81.28	72.49	58.43	79.52	0.02	0.36	0.33	0	0.11	0	0.01	0	0.01	23.28
60	80.4	80.84	72.05	57.99	79.08	0.05	0.29	0.29	0	0.1	0	0.01	0	0	23.28
60.5	80.4	80.84	72.49	57.99	79.08	0.03	0.34	0.32	0	0.11	0	0.01	0	0.01	23.28
61	79.98	80.4	72.49	58.43	79.08	0.03	0.32	0.38	0	0.11	0	0.01	0	0.01	23.28
61.5	79.98	79.52	72.49	58.43	79.08	0.04	0.32	0.39	0	0.12	0	0.01	0	0	23.28
62	79.98	80.4	72.49	58.43	79.08	0.05	0.33	0.36	0	0.11	0	0.01	0	0	21.24
62.5	80.4	80.4	72.49	58.43	78.64	0.07	0.43	0.34	0	0.11	0	0.01	0	0.01	23.28
63	79.98	80.4	72.49	58.43	79.08	0.02	0.32	0.34	0	0.12	0	0.01	0	0.01	21.24
63.5	80.84	80.4	72.49	58.87	79.96	0.04	0.03	0.04	0	0.12	0	0.01	0	0.01	23.28
64	79.52	81.28	72.49	58.43	79.08	0.03	0.01	0.01	0	0.12	0	0.01	0	0.01	23.28
64.5	79.98	80.84	72.49	59.31	79.52	0.04	0.01	0.01	0	0.12	0	0.01	0	0.01	21.24
65	79.98	80.4	72.49	58.43	79.08	0.04	0.03	0.02	0	0.12	0	0.01	0	0.01	21.24
65.5	79.98	80.84	72.49	58.43	79.08	0.03	0.02	0.01	0	0.12	0	0.01	0	0.01	20.08
66	79.98	80.84	72.49	57.99	79.08	0.03	0.01	0.01	0	0.12	0	0.01	0	0	17.6
66.5	79.98	81.26	72.49	58.43	79.52	0.03	0.02	0.02	0	0.11	0	0.01	0	0	14.88
67	79.98	80.84	72.49	58.87	79.08	0.03	0.02	0.01	0	0.11	0	0.01	0	0.01	14.04
67.5	79.98	80.4	72.49	57.99	79.08	0.03	0.02	0.01	0	0.1	0	0.01	0	0.01	12.2
68	80.4	80.4	72.93	58.43	79.08	0.03	0.01	0.01	0	0.1	0	0.01	0	0.01	11.04
68.5	79.98	81.28	72.05	58.43	79.52	0.04	0.02	0.01	0	0.1	0	0.01	0	0.01	10.96
69	80.84	80.84	72.93	58.43	79.08	0.03	0.02	0.01	0	0.1	0	0.01	0	0.01	10.68
69.5	80.4	81.28	72.49	57.99	79.08	0.03	0.02	0.01	0	0.1	0	0.01	0	0.01	10.48
70	79.98	81.28	72.49	58.87	79.08	0.04	0.01	0.02	0	0.1	0	0.01	0	0.01	9.84
70.5	80.4	80.84	72.49	60.19	79.08	0.04	0.01	0.01	0	0.09	0	0.01	0	0.01	9.64
71	79.98	81.28	72.49	57.99	79.08	0.03	0.02	0.01	0	0.1	0	0.01	0	0.01	9.24
71.5	80.4	81.28	72.49	57.99	79.52	0.03	0.01	0.01	0	0.09	0	0.01	0	0.01	8.72
72	80.4	81.28	72.93	58.87	79.08	0.04	0.01	0.01	0	0.09	0	0.01	0	0.01	8.36
72.5	80.4	81.28	72.49	58.43	79.08	0.04	0.01	0.01	0	0.09	0	0.01	0	0.01	8.04
73	80.4	81.72	73.37	58.43	79.08	0.04	0.02	0.01	0	0.09	0	0.01	0	0	7.4
73.5	80.4	81.28	72.93	58.43	79.08	0.04	0.01	0.01	0	0.08	0	0.01	0	0.01	6.84
74	79.98	81.72	72.49	57.99	79.08	0.03	0.01	0.01	0	0.08	0	0.01	0	0.01	6.68
74.5	79.98	81.28	72.49	58.43	79.08	0.04	0.01	0.01	0	0.08	0	0.01	0	0.01	6.36
75	80.4	81.28	72.49	58.87	79.08	0.03	0.01	0.01	0	0.08	0	0.01	0	0.01	5.88
75.5	80.4	81.28	72.93	58.43	79.08	0.03	0.01	0.01	0	0.08	0	0.01	0	0.01	5.68
76	79.98	81.28	72.49	58.43	79.08	0.03	0.01	0.01	0	0.07	0	0.01	0	0.01	5.52
76.5	79.98	81.72	72.49	57.11	79.08	0.04	0.01	0.01	0	0.07	0	0.01	0	0.01	5.2
77	80.4	82.16	72.93	57.99	79.08	0.05	0.01	0.01	0.01	0.07	0	0.01	0	0.01	5.04

77.5	79.96	81.72	72.93	58.43	79.08	0.05	0.01	0	0	0.08	0	0.01	0	0	4.76
78	79.52	81.72	72.49	58.43	79.08	0.04	0.01	0.02	0	0.11	0	0.01	0	0.01	4.6
78.5	79.96	81.28	72.93	58.43	79.08	0.04	0.02	0.01	0	0.11	0	0.01	0	0	4.36
79	79.96	81.72	72.49	57.99	79.08	0.03	0.01	0.02	0	0.11	0	0.01	0	0.01	4.32
79.5	80.4	81.28	72.93	57.99	79.08	0.04	0.02	0.01	0	0.15	0	0.01	0	0	4.2
80	80.4	80.84	72.49	57.99	79.08	0.03	0.01	0.01	0	0.09	0	0.01	0	0.01	4.16
80.5	80.84	80.84	72.93	57.99	79.08	0.04	0.01	0.01	0	0.09	0	0.01	0	0.01	4.24
81	80.4	81.28	72.49	57.99	79.08	0.03	0.01	0.02	0.01	0.12	0	0.01	0	0.01	4.04
81.5	79.52	81.28	72.93	57.99	78.64	0.04	0.01	0.01	0	0.07	0	0.01	0	0.01	4.08
82	80.4	80.84	72.93	58.43	79.08	0.04	0.01	0.01	0	0.07	0	0.01	0	0.01	3.96
82.5	80.84	79.96	72.93	57.99	79.08	0.03	0.02	0.01	0	0.11	0	0.01	0	0.01	3.92
83	79.96	79.52	72.93	59.31	79.08	0.03	0.02	0.01	0	0.12	0	0.01	0	0.01	3.92
83.5	80.4	79.52	72.93	57.99	79.08	0.03	0.01	0.02	0	0.08	0	0.01	0	0.01	3.68
84	80.4	79.96	72.49	57.99	79.08	0.04	0.02	0.02	0	0.11	0	0.01	0	0.01	3.64
84.5	79.96	79.96	72.49	57.99	79.08	0.03	0.01	0.01	0	0.08	0	0.01	0	0.01	3.56
85	79.96	79.96	72.93	58.43	79.08	0.03	0.01	0.01	0	0.11	0	0.01	0	0.01	3.44
85.5	80.4	79.52	72.93	57.99	79.52	0.04	0.02	0.01	0	0.09	0	0.01	0	0.01	3.4
86	80.4	79.08	72.93	57.55	79.08	0.03	0.01	0.01	0	0.14	0	0.01	0	0.01	3.36
86.5	79.96	79.52	72.49	58.43	79.52	0.04	0.01	0.02	0	0.1	0	0.01	0	0	3.28
87	80.4	79.08	72.05	57.99	79.08	0.03	0.01	0.02	0	0.17	0	0.01	0	0.01	3.2
87.5	80.4	79.52	71.61	57.55	79.06	0.03	0.02	0.01	0	0.09	0	0.01	0	0.01	3.2
88	80.4	79.52	71.61	57.55	79.08	0.04	0.02	0.01	0	0.1	0	0.01	0	0.01	3.12
88.5	79.96	79.52	71.17	57.99	79.08	0.04	0.02	0.01	0	0.12	0	0.01	0	0	3.08
89	80.4	78.64	71.61	57.99	79.52	0.03	0.02	0.01	0	0.09	0	0.01	0	0.01	2.96
89.5	79.96	79.08	71.61	57.55	79.08	0.02	0.03	0.01	0	0.09	0	0.02	0	0.01	2.92
90	83.04	79.08	71.61	57.55	79.52	0.03	0.02	0.01	0	0.09	0	0.02	0	0.01	2.84
90.5	79.96	79.52	71.17	57.99	79.08	0.02	0.02	0.01	0	0.09	0	0.02	0	0.01	2.72
91	80.84	78.64	71.61	57.55	79.08	0.03	0.02	0.01	0	0.07	0	0.03	0	0.01	2.52
91.5	79.52	78.64	72.49	57.99	79.08	0.02	0.03	0	0	0.07	0	0.02	0	0.01	2.56
92	80.4	77.76	72.05	57.99	79.08	0.02	0.25	0.01	0	0.06	0	0.02	0	0.01	2.44
92.5	80.4	78.2	72.05	58.43	79.08	0.04	0.01	0.01	0.11	0.05	0	0.02	0	0.01	2.24
93	79.96	79.08	72.05	58.43	79.08	0.01	0.04	0.02	0.04	0.05	0	0.02	0	0.01	2.24
93.5	80.84	78.2	72.05	58.43	79.08	0.02	0.03	0.02	0.02	0.05	0	0.01	0	0.01	2.16
94	80.84	77.76	71.61	57.99	79.08	0.02	0.03	0.01	0.01	0.04	0	0.01	0	0.01	2.16
94.5	80.4	78.2	72.05	58.43	79.08	0.02	0.03	0.01	0	0.04	0	0.01	0	0.01	2.12
95	79.96	78.2	72.49	58.43	79.08	0.02	0.03	0.01	0	0.04	0	0.01	0	0.01	2.04
95.5	80.84	77.76	72.05	57.99	79.08	0.02	0.03	0.02	0	0.04	0	0.01	0	0.01	2
96	80.4	78.2	72.05	57.99	79.08	0.02	0.03	0.01	0	0.03	0	0.01	0	0.01	1.96
96.5	80.84	78.2	72.49	57.55	79.08	0.02	0.02	0.01	0	0.04	0	0.01	0	0.01	1.8
97	80.4	77.76	72.49	57.99	79.08	0.02	0.02	0.01	0	0.03	0	0.01	0	0.01	1.72
97.5	80.4	77.76	72.49	57.99	79.08	0.02	0.03	0.01	0	0.03	0	0.01	0	0.01	1.76
98	80.4	77.76	72.49	58.43	79.08	0.01	0.04	0.01	0	0.03	0	0.01	0	0.01	1.72
98.5	80.4	77.32	72.49	57.99	79.08	0.01	0.04	0.01	0	0.03	0	0.01	0	0.01	1.44
99	80.84	78.2	72.49	58.43	79.08	0	0.04	0.01	0	0.03	0	0.01	0	0.01	1.32
99.5	81.28	77.76	72.05	57.55	79.08	0.01	0.05	0.01	0	0.03	0	0.01	0	0.01	1.32
100	80.4	78.64	72.49	57.99	79.08	0	0.04	0.01	0	0.03	0	0.01	0	0.01	1.28
100.5	80.4	78.64	72.49	57.99	79.08	0	0.04	0.01	0	0.03	0	0.01	0	0.01	1.32
101	80.4	78.64	72.49	57.99	79.08	0.01	0.04	0.01	0	0.02	0	0.01	0	0.01	1.24
101.5	80.84	77.76	72.05	58.43	79.08	0	0.04	0.01	0	0.02	0	0.01	0	0.01	1.16
102	80.84	78.2	72.49	58.43	79.08	0	0.04	0.01	0	0.02	0	0.01	0	0.01	1.12
102.5	80.4	77.76	72.49	57.99	79.52	0.01	0.04	0.01	0	0.02	0	0.01	0	0.01	1.2
103	80.4	78.64	72.49	58.43	79.08	0.01	0.03	0.01	0	0.02	0	0.01	0	0	1.12
103.5	80.4	77.76	72.49	57.99	79.08	0.01	0.04	0.01	0	0.02	0	0.01	0	0.01	1.08
104	80.4	77.76	72.93	57.55	79.08	0	0.04	0.01	0	0.02	0	0.01	0	0	1.04
104.5	80.84	78.2	72.93	58.43	79.08	0	0.05	0.01	0	0.02	0	0.01	0	0.01	0.96
105	80.84	78.2	72.93	57.55	79.08	0.01	0.04	0.01	0	0.02	0	0.01	0	0.01	1

105.5	80.84	76.88	72.93	58.43	78.64	0.01	0.04	0	0	0.02	0	0.01	0	0.01	1
106	80.84	78.64	72.93	58.43	78.64	0.01	0.04	0.01	0	0.02	0	0.01	0	0.01	1
106.5	80.4	77.32	72.49	57.99	79.08	0.01	0.04	0.01	0	0.02	0	0.01	0	0.01	0.96
107	79.96	77.76	72.93	57.99	79.08	0.01	0.04	0	0	0.02	0	0.01	0	0.01	0.96
107.5	80.4	77.32	72.93	57.55	79.08	0.01	0.04	0	0	0.02	0	0.01	0	0.01	0.92
108	80.84	77.32	72.49	57.99	79.08	0.01	0.04	0.01	0	0.02	0	0.01	0	0	0.92
108.5	80.84	77.76	72.49	58.43	79.08	0.01	0.04	0.01	0	0.02	0	0.01	0	0.01	0.88
109	80.4	76.88	72.49	57.55	79.08	0.01	0.04	0.01	0	0.02	0	0.01	0	0	0.84
109.5	80.4	77.76	72.49	57.99	79.08	0	0.04	0.01	0	0.02	0	0.01	0	0	0.84
110	80.4	76.88	72.93	57.55	79.08	0.03	0.02	0.01	0	0.02	0	0.01	0	0.01	0.84
110.5	80.84	77.32	72.93	57.99	78.64	0.01	0.04	0.01	0	0.02	0	0.01	0	0	0.84
111	80.84	77.32	72.93	57.99	79.08	0.01	0.04	0.01	0	0.02	0	0.01	0	0.01	0.8
111.5	80.84	77.32	73.37	58.43	78.64	0.01	0.04	0.01	0	0.02	0	0.01	0	0	0.8
112	80.84	76.01	73.37	59.75	79.08	0.01	0.04	0.01	0	0.02	0	0.01	0	0	0.76
112.5	80.84	77.32	73.37	57.99	78.64	0.02	0.04	0.01	0	0.02	0	0.01	0	0.01	0.76
113	80.4	77.32	73.37	57.99	79.08	0.01	0.04	0.01	0	0.02	0	0.01	0	0	0.76
113.5	79.96	77.32	73.37	58.43	79.08	0.01	0.04	0.01	0	0.01	0	0.01	0	0	0.76
114	80.4	76.44	73.37	57.99	79.08	0.01	0.04	0.01	0	0.02	0	0.01	0	0	0.76
114.5	80.84	76.88	73.37	57.11	78.64	0	0.04	0.01	0	0.02	0	0.01	0	0	0.72
115	80.4	77.32	73.37	57.99	79.08	0.01	0.04	0.01	0	0.01	0	0.01	0	0	0.72
115.5	80.4	76.88	72.93	58.43	79.08	0	0.04	0.01	0	0.02	0	0.01	0	0	0.72
116	80.84	76.88	72.49	57.99	79.08	0.02	0.03	0	0	0.02	0	0.01	0	0	0.68
116.5	80.4	76.44	72.49	58.43	78.64	0.01	0.04	0.01	0	0.01	0	0.01	0	0	0.68
117	80.4	76.88	72.93	58.43	79.08	0	0.04	0.01	0	0.01	0	0.01	0	0	0.68
117.5	80.84	76.88	72.93	57.99	79.08	0	0.04	0	0	0.01	0	0.01	0	0	0.68
118	80.4	76.44	72.93	57.99	79.08	0.02	0.02	0.01	0	0.01	0	0.01	0	0	0.68
118.5	80.84	76.44	72.49	58.87	79.08	0.02	0.03	0.01	0	0.01	0	0.01	0	0.01	0.68
119	80.84	76.01	72.49	57.99	79.08	0.02	0.03	0	0	0.01	0	0.01	0	0	0.68
119.5	79.96	76.44	72.49	57.99	79.08	0.02	0.02	0.01	0	0.01	0	0.01	0	0	0.64
120	80.4	76.44	72.49	57.55	79.08	0.01	0.04	0.01	0	0.01	0	0.01	0	0	0.64
120.5	81.28	76.44	72.93	57.55	78.64	0.01	0.04	0.01	0	0.01	0	0.01	0	0	0.64
121	80.4	76.88	72.49	57.99	79.08	0.18	0.23	0	0	0.01	0	0.01	0	0	0.64
121.5	80.4	76.44	72.93	57.11	79.08	0.25	0.28	0	0	0.01	0	0.01	0	0	0.6
122	79.96	76.44	72.93	57.55	79.08	0.19	0.21	0	0	0.01	0	0.01	0	0	0.6

FILE A:TEST1.PEN  
 No.Chan. 15  
 DATE 05-21-1988  
 Before Pr 5  
 Preheat T 1.25  
 L/L TIME 1  
 M/H Time 2  
 M/H Time 3  
 Second M/ 2  
 Second L/ 25

TIME	1	2	3	4	5	11	12	13	16	17	18	19	20	21	22
MIN.	TEMP1	TEMP2	TEMP3	TEMP4	TEMP5	PRES1	PRES2	PRES3	IRLED2	IRLED3	IRLED4	IRLED5	IRLED6	IRLED7	
0	81.28	78.64	73.81	57.11	79.08	0.03	0.02	0	0	0	0	0	0	0	0
0.5	79.96	78.64	73.81	57.11	79.52	0.04	0.01	0.01	0	0	0	0	0	0	0.52
1	79.96	79.08	73.37	56.67	79.52	0.04	0.02	0.01	0	0	0	0	0	0	0.28
1.5	79.96	78.2	73.81	57.11	79.08	0.03	0.02	0.01	0	0	0	0	0	0	0.04
2	79.52	78.64	73.81	57.55	79.52	0.03	0.01	0.01	0	0	0	0	0	0	0.12
2.5	80.4	78.64	74.25	57.11	79.08	0.04	0.01	0.01	0	0	0	0	0	0	0.04
3	79.96	78.64	73.81	57.55	79.08	0.04	0.01	0.01	0	0	0	0	0	0	0.04
3.5	79.96	78.64	73.81	57.11	79.52	0.04	0.01	0.01	0	0	0	0	0	0	0.08
4	79.52	79.08	73.37	57.11	79.52	0.04	0.01	0.01	0	0	0	0	0	0	0.04
4.5	79.52	79.96	73.37	57.11	79.52	0.03	0.01	0.01	0	0	0	0	0	0	0.08
5	79.08	79.52	73.81	57.11	79.08	0.04	0.02	0.02	0	0	0	0	0	0	0.08
5.5	78.64	79.96	73.81	56.67	79.52	0.04	0.01	0.01	0	0	0	0	0	0	2.32
6	79.08	79.08	73.81	56.67	79.52	0.03	0.01	0.01	0	0	0	0	0	0	3.84
6.5	77.32	79.08	73.37	57.11	79.52	0.02	0.19	0.29	0	0	0	0	0	0	4.24
7	78.64	78.2	73.81	57.11	79.52	0.02	0.34	0.36	0	0	0	0	0	0	4.88
7.5	78.2	79.52	74.25	56.67	79.52	0.06	0.61	0.6	0	0	0.04	0	0	0	9.04
8	78.2	79.52	73.81	57.55	79.52	0.03	0.52	0.7	0	0	0	0	0	0	12.84
8.5	78.64	79.08	73.81	57.55	79.08	0.05	0.59	0.71	0	0	0	0	0	0	15.6
9	78.64	79.08	73.81	57.99	79.08	0.08	0.54	0.61	0	0	0	0	0	0	15.6
9.5	78.64	79.52	73.81	57.55	79.52	0.1	1.21	1.07	0	0	0	0	0	0	15.6
10	78.64	80.4	73.81	57.11	79.52	0.11	1.02	1.17	0	0	0	0	0	0	22.84
10.5	78.64	79.08	73.81	57.11	79.08	0.09	1.04	1.21	0	0	0	0	0	0	22.84
11	79.08	79.08	73.81	55.79	79.08	0.1	1.02	1.17	0	0.01	0	0	0	0	22.84
11.5	79.08	78.64	73.81	56.67	79.08	0.09	1.22	1.23	0	0.01	0	0	0	0	19.64
12	79.08	79.08	73.37	57.11	79.52	0.09	0.96	1.15	0	0.08	0	0	0	0	22.84
12.5	79.08	78.64	73.81	57.11	79.08	0.05	0.61	0.67	0	0.07	0	0	0	0	22.84
13	79.96	79.52	74.25	57.11	79.52	0.08	0.57	0.63	0	0.21	0	0	0	0	22.84
13.5	79.52	78.64	73.81	57.55	79.52	0.05	0.54	0.61	0	0.15	0	0	0	0	19.64
14	79.52	79.96	73.81	57.55	79.08	0.04	0.67	0.71	0	0.41	0	0	0	0	18.8
14.5	79.08	79.96	73.81	57.11	79.52	0.02	0.58	0.36	0	0.08	0	0	0	0	22.84
15	79.52	79.52	73.81	57.55	79.08	0.04	0.5	0.29	0	0.19	0	0	0	0	18.8
15.5	80.4	79.52	73.81	57.11	79.52	0.04	0.41	0.37	0	0.05	0	0	0	0	22.84
16	79.96	79.96	73.81	57.11	79.52	0.04	0.32	0.29	0	0.13	0	0	0	0	22.84
16.5	79.96	78.2	73.81	57.11	79.08	0.04	0.27	0.33	0	0.27	0	0	0	0	22.84
17	79.96	79.08	73.81	56.23	79.08	0.06	0.33	0.34	0	0.27	0	0	0	0	20.8
17.5	79.52	79.52	73.81	57.11	79.52	0.04	0.3	0.42	0	0.22	0	0	0	0	19.64
18	79.96	80.4	73.81	57.11	79.08	0.02	0.39	0.31	0	0.26	0	0	0	0	20.8
18.5	79.96	79.08	73.81	57.55	79.08	0.02	0.38	0.38	0	0.41	0	0	0	0	22.84
19	79.96	79.08	74.25	57.11	79.08	0.06	0.41	0.34	0	0.18	0	0	0	0	19.64
19.5	79.52	79.96	73.81	56.67	79.08	0.07	0.41	0.33	0	0.1	0	0	0	0	19.64
20	79.52	79.96	73.81	57.11	79.08	0.04	0.37	0.34	0	0.1	0	0	0	0	20.8
20.5	79.96	79.52	74.25	57.55	79.08	0.03	0.38	0.34	0	0.07	0	0	0	0	20.8
21	79.96	79.08	73.81	56.67	79.08	0.05	0.4	0.39	0	0.06	0	0	0	0	20.8

21.5	79.96	79.96	73.81	57.55	79.52	0.06	0.38	0.33	0	0.19	0	0	0	0	20.8
22	80.4	78.64	74.25	56.67	79.08	0.06	0.4	0.36	0	0.16	0	0	0	0	22.84
22.5	79.52	79.96	73.81	57.55	79.52	0.06	0.38	0.33	0	0.08	0	0	0	0	22.84
23	79.96	80.4	73.81	57.55	79.52	0.03	0.32	0.35	0	0.32	0	0	0	0	22.84
23.5	79.96	79.96	74.25	56.67	79.52	0.06	0.32	0.4	0	0.14	0	0	0	0	22.84
24	79.96	79.52	73.81	57.55	79.08	0.05	0.28	0.37	0	0.08	0	0	0	0	22.84
24.5	79.96	79.96	73.81	57.11	79.08	0.01	0.28	0.32	0	0.15	0	0	0	0	22.84
25	80.4	79.96	73.81	56.67	79.52	0.07	0.31	0.32	0	0.14	0	0	0	0	22.84
25.5	79.96	79.96	74.25	57.11	79.08	0.05	0.24	0.27	0	0.08	0	0	0	0	22.84
26	79.96	79.52	73.81	56.67	79.08	0.04	0.29	0.32	0	0.07	0	0	0	0	22.84
26.5	79.96	78.64	73.81	57.11	79.08	0.06	0.3	0.4	0	0.08	0	0	0	0	20.8
27	79.96	79.96	73.81	57.11	79.08	0.04	0.33	0.32	0	0.16	0	0	0	0	22.84
27.5	80.4	79.08	74.25	56.67	79.08	0.05	0.32	0.35	0	0.11	0	0	0	0	22.84
28	79.96	78.64	73.81	56.67	79.08	0.05	0.31	0.35	0	0.31	0	0	0	0	20.8
28.5	79.96	80.4	73.81	57.11	79.08	0.03	0.27	0.35	0	0.09	0	0	0	0	22.84
29	80.4	79.52	74.25	57.11	79.08	0.06	0.42	0.36	0	0.11	0	0	0	0	22.84
29.5	79.52	80.84	74.25	57.11	79.08	0.03	0.41	0.36	0	0.28	0	0	0	0	22.84
30	79.96	79.52	74.25	57.11	79.08	0.04	0.42	0.35	0	0.72	0	0	0	0	22.84
30.5	80.4	79.08	73.81	57.55	79.52	0.05	0.27	0.35	0	0.26	0	0	0	0	22.84
31	79.52	79.52	74.25	57.11	79.08	0.05	0.33	0.39	0	0.25	0	0	0	0	22.84
31.5	79.96	79.52	74.25	57.55	79.08	0.02	0.41	0.29	0	0.54	0	0	0	0	22.84
32	79.96	79.96	74.69	56.67	79.08	0.05	0.34	0.39	0	0.4	0	0	0	0	22.84
32.5	80.4	79.52	74.25	56.67	79.52	0.04	0.28	0.29	0	0.46	0	0	0	0	22.84
33	80.4	80.4	74.25	57.55	79.08	0.05	0.36	0.35	0	0.81	0	0	0	0	22.84
33.5	79.96	80.4	74.25	56.67	79.52	0.04	0.33	0.34	0	0.48	0	0	0	0	20.8
34	79.52	80.84	73.81	57.55	79.52	0.02	0.3	0.38	0	0.77	0	0.01	0	0	22.84
34.5	79.96	80.4	74.25	56.67	79.08	0.06	0.28	0.37	0	0.21	0	0.01	0	0	20.8
35	79.52	80.84	74.25	57.11	79.08	0.04	0.29	0.36	0	0.48	0	0.01	0	0	22.84
35.5	79.96	80.84	74.25	56.67	79.08	0.07	0.33	0.35	0	1.15	0	0.01	0	0	22.84
36	80.4	80.4	74.25	57.11	79.08	0.03	0.41	0.42	0	0.79	0	0.01	0	0	20.8
36.5	80.4	80.4	74.69	56.67	79.08	0.06	0.22	0.33	0	0.69	0	0.01	0	0	20.8
37	80.4	79.52	74.25	56.23	79.08	0.05	0.36	0.38	0	1.3	0	0.01	0	0	20.8
37.5	80.84	80.4	74.25	56.67	79.08	0.06	0.31	0.34	0	1	0	0.01	0	0	22.84
38	80.4	81.28	73.81	57.11	79.08	0.05	0.37	0.34	0	0.58	0	0.01	0	0	22.84
38.5	80.4	80.4	74.25	57.11	79.08	0.05	0.32	0.3	0	0.47	0	0.01	0	0	22.84
39	80.4	80.4	74.25	57.11	79.08	0.06	0.34	0.33	0	0.41	0	0.01	0	0	22.84
39.5	80.4	80.4	74.25	57.99	79.08	0.04	0.07	0.07	0	0.38	0	0.01	0	0	22.84
40	79.96	81.72	73.81	57.11	79.52	0.04	0.02	0.02	0	0.42	0	0.01	0	0	22.84
40.5	79.96	81.28	74.25	56.23	79.52	0.03	0.01	0.01	0	0.53	0	0.01	0	0	22.84
41	80.4	80.84	74.25	56.67	79.08	0.04	0.01	0.02	0	0.77	0	0.04	0	0	22.84
41.5	79.52	80.84	74.25	57.11	79.08	0.05	0.01	0	0	0.4	0	0.04	0	0	22.84
42	79.96	81.28	73.81	57.11	79.52	0.04	0.01	0.01	0	0.57	0	0.06	0	0	19.64
42.5	80.84	80.4	73.81	56.67	79.08	0.03	0.01	0.01	0	0.35	0	0.05	0	0	19.64
43	79.52	80.4	74.25	57.55	79.08	0.04	0.01	0.01	0	0.41	0	0.05	0	0	18.8
43.5	79.96	80.4	74.25	57.99	79.52	0.04	0.01	0.01	0	1.08	0	0.05	0	0	22.84
44	80.4	81.28	73.81	56.67	79.52	0.04	0.01	0.01	0	0.64	0	0.05	0	0	22.84
44.5	80.4	81.28	74.25	57.11	79.52	0.04	0.01	0.02	0	0.84	0	0.05	0	0	20.8
45	79.96	80.84	74.25	57.11	79.52	0.04	0.01	0.01	0	0.5	0	0.04	0	0	18.8
45.5	79.96	80.84	74.25	56.67	79.52	0.04	0.01	0.01	0	1.08	0	0.04	0	0	19.64
46	79.96	81.28	74.25	56.67	79.52	0.04	0.01	0.01	0	0.9	0	0.04	0	0	20.8
46.5	79.96	80.4	74.25	57.11	79.52	0.04	0.01	0.02	0	0.62	0	0.04	0	0	16.8
47	79.96	79.96	74.69	57.11	79.08	0.04	0.01	0.01	0	0.8	0	0.04	0	0	17.6
47.5	80.4	79.52	74.25	56.67	79.52	0.04	0.01	0.02	0	1.57	0	0.04	0	0	17.16
48	79.96	80.4	73.81	57.11	79.52	0.03	0.01	0.01	0	0.75	0	0.04	0	0	16.44
48.5	80.4	80.4	74.25	57.11	79.08	0	0.04	0.01	0	0.98	0	0.04	0	0	15.84
49	79.96	80.4	74.25	57.55	79.52	0.01	0.04	0.01	0	0.64	0	0.04	0	0	15.16

49.5	79.52	80.84	74.25	56.67	79.52	0.01	0.04	0.01	0	0.78	0	0.04	0	0	14.76
50	79.96	80.84	74.69	57.99	79.08	0.01	0.04	0.01	0	0.9	0	0.03	0	0	13.12
50.5	79.52	80.84	74.25	57.55	79.08	0.01	0.04	0.01	0	1.24	0	0.03	0	0	12.64
51	79.96	80.4	74.25	57.11	78.64	0.02	0.04	0.01	0	0.9	0	0.03	0	0	11.88
51.5	79.96	80.84	74.25	57.11	79.08	0.01	0.04	0.01	-0.01	0.85	0	0.03	0	0	11.44
52	79.96	80.84	73.81	56.23	79.08	0.01	0.04	0.02	-0.01	0.77	0	0.03	0	0	11.4
52.5	80.4	81.28	73.37	56.67	78.64	0.01	0.04	0.01	-0.01	0.75	0	0.03	0	0	10.52
53	79.96	80.4	73.81	56.23	78.64	0.01	0.04	0.01	-0.01	0.82	0	0.02	0	0	10.2
53.5	79.96	80.4	73.81	57.11	78.64	0.01	0.04	0.01	-0.01	0.71	0	0.02	0	0	9.88
54	79.96	80.4	73.37	56.23	78.64	0.01	0.04	0.01	-0.01	0.84	0	0.02	0	0	10.36
54.5	79.96	79.96	73.81	56.67	78.64	0.01	0.04	0.01	-0.01	0.56	0	0.02	0	0	8.8
55	79.96	79.96	73.37	56.67	78.2	0.01	0.04	0.01	-0.01	0.53	0	0.02	0	0	8.64
55.5	79.96	79.96	73.37	56.23	78.64	0.01	0.03	0.01	-0.01	0.5	0	0.02	0	0	8.8
56	79.96	79.96	73.37	58.43	78.2	0.01	0.03	0.01	-0.01	0.49	0	0.02	0	0	8.36
56.5	79.52	79.52	73.37	57.11	78.64	0.01	0.04	0.01	-0.01	0.48	0	0.02	0	0	8.16
57	79.52	79.08	73.37	57.11	78.2	0.01	0.04	0.01	-0.01	0.46	0	0.02	0	0	8.12
57.5	80.4	79.08	73.37	57.11	78.2	0.01	0.04	0.01	-0.01	0.44	0	0.02	0	0	7.88
58	79.52	79.96	73.37	56.67	78.2	0.01	0.04	0.01	-0.01	0.44	0	0.03	0	0	7.44
58.5	79.96	79.52	73.81	56.67	78.2	0.01	0.04	0.01	-0.01	0.42	0	0.02	0	0	7.04
59	79.96	78.64	73.37	57.55	78.2	-0.01	0.06	0.01	-0.01	0.4	0	0.03	0	0	6.92
59.5	79.96	79.08	72.93	56.67	78.2	-0.01	0.06	0.01	-0.01	0.34	0	0.04	0	0	6.52
60	79.96	79.52	73.37	57.55	78.2	0	0.06	0.01	-0.01	0.26	0	0.04	0	0	5.96
60.5	79.96	79.52	73.37	56.67	78.2	0	0.05	0.01	-0.01	0.16	0	0.05	0	0	6.16
61	79.96	78.64	73.81	57.55	78.2	-0.01	0.05	0	-0.01	0.12	0	0.05	0	0	5.6
61.5	79.96	79.08	73.37	57.11	78.2	0	0.05	0.01	-0.01	0.1	0	0.06	0	0	5.48
62	79.96	78.2	73.81	57.11	78.2	-0.07	0.12	0.02	-0.01	0.08	0.01	0.05	0	0	5.28
62.5	80.4	78.64	73.81	56.67	78.2	-0.07	0.11	0.01	0	0.09	0.01	0.04	0	0	4.8
63	79.96	79.08	73.37	57.11	78.2	-0.12	0.15	0.01	0.01	0.07	0.01	0.03	0	0	4.6
63.5	79.96	78.2	73.37	56.67	78.2	-0.12	0.15	0.01	0	0.07	0.02	0.03	0	0	4.52
64	80.4	77.76	72.93	56.67	77.76	-0.12	0.15	0	0	0.07	0.02	0.03	0	0	4
64.5	79.96	78.2	72.93	57.99	77.76	-0.11	0.15	0.01	0	0.07	0.02	0.02	0	0	3.8
65	79.52	78.2	72.93	57.11	77.32	-0.12	0.16	0.02	0	0.06	0.01	0.02	0	0	3.68
65.5	79.96	77.76	72.93	57.11	76.88	-0.12	0.16	0.01	0	0.05	0.01	0.02	0	0	3.68
66	79.52	78.2	72.93	57.11	76.44	-0.11	0.15	0.01	0	0.05	0	0.02	0	0	3.76
66.5	79.52	77.76	73.37	56.67	76.44	0.03	0.01	0.01	0	0.05	0	0.01	0	0	3.4
67	79.52	77.76	73.81	57.11	76.44	0.04	0.01	0.02	0	0.04	0.01	0.01	0	0	3.56
67.5	80.4	76.88	73.37	57.55	76.01	0.03	0.01	0.01	0	0.04	0.01	0.01	0	0	3.6
68	79.52	77.32	72.93	57.11	76.01	0.04	0.01	0.01	0	0.04	0	0.01	0	0	3.52
68.5	79.96	76.88	72.93	57.11	75.57	0.03	0.01	0.01	-0.01	0.04	0	0.01	0	0	3.44
69	79.96	77.32	72.93	56.67	75.57	0.04	0.02	0.01	0	0.04	0	0.01	0	0	3.32
69.5	79.96	77.32	72.93	56.67	75.13	0.03	0.01	0.01	-0.01	0.03	0	0.01	0	0	3.24
70	79.96	77.32	72.93	56.67	75.57	-0.13	0.17	0.01	-0.01	0.03	0	0.01	0	0	3.16
70.5	79.52	76.88	72.93	56.67	75.13	-0.13	0.17	0.01	0	0.03	0	0.01	0	0	2.8
71	80.84	76.44	72.93	56.67	75.13	-0.04	0.05	0	0	0.03	0	0.01	0	0	2.64

LOCATION OF SENSORS, SCZ 3-2, HIGH, TEST NO.3-6

TEMP1- TEMP AUX.MACH RM.1

TEMP2- TEMP CREW MESS

TEMP3- TEMP OFFICERS PASSAGE

TEMP4- TEMP BRIDGE

TEMP5- TEMP AIR FLOWMETER

PRES1- PRESSURE RELEASE SPACE (MN.DK.P-123)

PRES2- PRESSURE FLOWMETER INLET

PRES3- DIFFERENTIAL PRESSURE ACROSS FLOWMETER INLET AND OUTLET

IRLED1- LASER AUX.MACH.RM.1

IRLED2- LASER CPO QTRS.

IRLED3- LASER CREW MESS

IRLED4- LASER MN.DK.P-198

IRLED5- LASER MN.DK.P-155

IRLED6- LASER BRIDGE

IRLED7- LASER MN.DK.P-123



FILE A:TEST3.PRN

No.Chan. 15

DATE 05-23-1986

Before Pr 30

Preheat T 1.25

L/L TIME 1

M/H Time 2

H/H Time 6

Second M/ 2

Second L/ 19

TIME	1	2	3	4	5	11	12	13	16	17	18	19	20	21	22
MIN.	TEMP1	TEMP2	TEMP3	TEMP4	TEMP5	PRES1	PRES2	PRES3	IRLED1	IRLED2	IRLED3	IRLED4	IRLED5	IRLED6	IRLED7
0	67.66	73.37	71.61	54.91	73.81	0.03	0.01	0	0	0	0	0	0	0	0
0.5	68.1	73.37	70.73	55.35	73.37	0.03	0.01	0	0	0	0	0	0	0	0
1	68.53	73.37	71.17	55.35	73.37	0.03	0.01	0	0	0	0	0	0	0	-0.5
1.5	67.66	73.81	71.17	55.35	73.81	0.02	0.01	0	0	0	0	0	0	0	0
2	68.1	73.37	71.17	55.35	73.81	0.02	0.01	0	0	0	0	0	0	0	0
2.5	67.66	75.13	71.17	55.35	73.81	0.03	0	0	0	0	0	0	0	0	0
3	67.22	75.13	71.17	55.35	73.37	0.03	0.01	0	0	0	0	0	0	0	0
3.5	67.22	75.13	71.17	55.79	73.37	0.02	0	0	0	0	0	0	0	0	0
4	67.66	73.37	71.61	55.79	73.81	0.03	0	0	0	0	0	0	0	0	0
4.5	67.22	75.13	71.61	55.79	73.81	0.03	0	0	0	0	0	0	0	0	-0.8
5	68.1	73.81	71.17	55.35	73.81	0.03	0.01	0	0	0	0	0	0	0	0
5.5	67.66	73.81	71.17	55.35	73.81	0.03	0.01	0	0	0	0	0	0	0	0
6	67.22	74.25	70.73	55.35	73.37	0.03	0.01	0	0	0	0	0	0	0	0
6.5	67.66	75.13	71.17	54.47	73.37	0.03	0.01	0	0	0	0	0	0	0	-1.17
7	66.78	74.69	71.17	55.35	73.81	0.03	0	0	0	0	0	0	0	0	0
7.5	67.66	73.81	70.73	54.91	73.37	0.02	0.01	0	0	0	0	0	0	0	0
8	67.66	73.81	71.17	55.35	73.81	0.02	0.01	0.01	0	0	0	0	0	0	0
8.5	67.22	75.13	71.17	55.35	73.81	0.03	0.01	0	0	0	0	0	0	0	0
9	67.22	74.69	70.73	55.79	73.37	0.02	0.01	0	0	0	0	0	0	0	0
9.5	67.22	74.69	71.17	54.91	73.37	0.03	0	0	0	0	5.03	0	0	0	0
10	67.66	73.81	71.17	54.91	73.81	0.03	0.01	-0.01	0	0	0	0	0	0	0
10.5	67.66	74.25	70.73	55.35	73.37	0.03	0	0	0	0	0	0	0	0	0
11	67.22	75.13	70.73	55.35	73.81	0.03	0.01	0	0	0	0	0	0	0	0
11.5	66.78	74.69	71.61	54.91	73.81	0.03	0	0	0	0	0	0	0	0	0
12	67.66	74.25	71.17	54.91	73.81	0.03	0	0	0	0	0	0	0	0	0
12.5	66.78	74.25	71.61	55.79	73.37	0.03	0.01	0	0	0	0	0	0	0	0
13	67.66	74.25	71.61	54.91	74.25	0.03	0	0	0	0	0	0	0	0	0
13.5	68.1	74.25	71.17	55.35	73.81	0.03	0	0	0	0	0	0	0	0	0
14	66.78	75.13	71.17	55.79	73.37	0.03	0	0	0	0	0	0	0	0	0
14.5	66.78	74.25	71.61	55.35	73.37	0.03	0.01	0	0	0	0	0	0	0	-1.17
15	66.78	74.69	71.61	54.91	73.37	0.03	0.01	0.01	0	0	0	0	0	0	0
15.5	67.66	73.81	71.17	55.35	73.37	0.03	0.01	0	0	0	0	0	0	0	0
16	67.22	74.69	71.17	55.35	73.37	0.03	0	0	0	0	0	0	0	0	-0.8
16.5	67.22	74.69	71.61	54.91	73.37	0.02	0	0	0	0	0	0	0	0	0
17	67.66	74.69	71.61	55.79	73.81	0.03	0	0.01	0	0	0	0	0	0	-1.3
17.5	67.22	74.69	70.73	55.79	73.37	0.02	0.01	0	0	0	0	0	0	0	-0.5
18	67.22	74.69	70.73	54.91	73.37	0.03	0.01	0	0	0	0	0	0	0	0
18.5	67.22	76.01	71.17	54.91	73.37	0.03	0.01	0.01	0	0	0	0	0	0	-0.5
19	67.22	74.69	71.61	54.03	73.81	0.02	0	0	0	0	0	0	0	0	-0.5
19.5	67.66	74.25	71.17	55.35	73.37	0.03	0	0.01	0	0	0	0	0	0	0
20	67.22	75.13	70.73	54.91	73.37	0.03	0	0.01	0	0	0	0	0	0	0
20.5	67.22	76.01	70.73	55.35	73.37	0.03	0	0	0	0	0	0	0	0	0
21	67.66	75.13	71.17	54.91	74.69	0.02	0.01	0.01	0	0	0	0	0	0	0

21.5	66.34	76.01	71.61	55.35	73.37	0.03	0.01	0	0	0	0	0	0	0	0
22	66.78	75.57	71.17	55.35	73.37	0.03	0.01	0	0	0	0	0	0	0	0
22.5	67.22	76.01	71.61	55.35	73.37	0.03	0.01	0	0	0	0	0	0	0	0
23	66.78	76.44	72.05	54.91	73.37	0.02	0.01	0	0	0	0.01	0	0	0	0
23.5	67.22	75.57	70.73	54.91	72.93	0.02	0.01	0	0	0	0.01	0	0	0	0
24	67.22	75.57	71.17	55.35	73.37	0.03	0.01	0	0	0	0.01	0	0	0	0
24.5	66.78	76.44	71.61	55.35	73.37	0.03	0.01	0.01	0	0	0.01	0	0	0	0
25	67.66	75.13	71.17	54.91	72.49	0.03	0.01	0.01	0	0	0.01	0	0	0	0
25.5	67.22	76.01	71.17	54.47	73.37	0.03	0.01	0.01	0	0	0.01	0	0	0	-1.01
26	66.78	76.44	71.61	55.35	74.25	0.03	0.02	0.01	0	0	0.01	0	0	0	0
26.5	66.78	76.44	71.61	54.91	73.37	0.03	0.01	0	0	0	0.01	0	0	0	0
27	66.78	76.01	70.73	55.35	72.93	0.03	0.01	0	0	0	0.01	0	0	0	-1.01
27.5	66.78	76.88	72.05	55.79	73.37	0.05	1.34	1.23	0	0	0.01	0	0	0	-0.8
28	66.78	76.01	71.61	54.91	73.37	0.08	1.93	2.06	0	0	0.01	0	0	0	0
28.5	67.22	76.44	71.17	55.35	73.37	0.04	0.79	0.76	0	0	0.01	0	0	0	0
29	67.66	76.88	71.61	55.35	73.37	0.03	0.03	0.02	0	0	0.01	0	0	0	0
29.5	68.1	75.57	71.17	55.35	73.37	0.03	0	0	0	0	0.01	0	0	0	0
30	66.78	76.44	71.61	54.91	73.37	0.03	0.01	0.01	0	0	0.01	0	0	0	0
30.5	68.1	76.01	71.61	55.35	73.37	0.03	0.01	0	0	0	0.01	0	0	0	0
31	68.1	75.13	71.17	55.35	73.37	0.03	0	0	0	0	0.01	0	0	0	0
31.5	67.66	76.44	71.61	54.91	73.37	0.03	1.15	1.05	0	0	0.01	0	0	0	0
32	68.1	75.13	72.05	54.47	73.37	0.02	1.29	1.08	0	0	0.01	0	0	0	-1.17
32.5	68.1	76.44	71.17	54.91	73.37	0.06	1.82	1.74	0	0	0.01	0	0	0	-0.8
33	68.97	76.01	71.17	54.47	73.81	0.05	1.55	1.75	0	0	0.01	0	0	0	-0.5
33.5	68.53	75.57	72.05	55.35	73.37	0.05	1.81	1.77	0	0	0.01	0	0	0	-0.5
34	68.1	76.01	72.49	54.91	73.37	0.06	1.71	1.78	0	-0.01	0.03	0	0	0	0
34.5	68.53	76.01	71.17	54.91	73.37	0.07	2.04	2.29	0	0	0.01	0.01	0.01	0	0
35	68.1	76.88	71.61	54.91	73.37	0.05	1.87	2.28	0	0	0.01	0.05	0.02	0	0
35.5	68.53	76.44	71.17	55.35	73.37	0.06	1.98	2.28	0	0	0.01	0.04	0.05	0	0
36	68.53	76.44	71.17	54.91	73.37	0.06	1.8	2.26	0	0	0.01	0.17	0.08	0	-1.01
36.5	68.97	76.44	70.73	55.79	72.93	0.05	1.76	2.26	0	0	0.01	0.23	0.21	0	0
37	68.97	75.57	71.17	54.91	73.37	0.07	1.89	2.29	0	-0.01	0.01	0.48	0.21	0	0
37.5	69.53	76.88	71.61	54.91	72.93	0.05	2.07	2.29	0	0	0.01	0.77	0.29	0	-1.01
38	68.53	76.44	72.05	55.35	72.93	0.07	1.82	2.29	0	0	0.01	1.01	0.36	0	0
38.5	69.41	75.57	71.17	54.91	73.37	0.06	2.09	2.28	0	-0.01	0.01	1.31	0.48	0	0
39	68.53	76.44	72.05	54.47	73.81	0.07	1.79	2.25	0	0	0.01	1.6	0.62	0	0
39.5	69.85	76.01	71.17	54.47	72.93	0.05	2.03	2.26	0	0	0.01	1.85	0.6	0	0
40	69.41	75.57	71.17	54.47	72.93	0.06	2.08	2.3	0	-0.01	0.01	2.35	0.77	0	-1.3
40.5	68.97	76.44	71.17	54.47	72.49	0.05	1.58	1.69	0	0	0.01	2.34	1.01	0.01	0
41	69.41	76.88	70.73	54.47	72.93	0.06	1.75	1.75	0	-0.01	0.01	2.61	1.2	0.01	-1.01
41.5	68.97	76.88	71.17	54.91	73.37	0.03	1.57	1.76	0	-0.01	0.01	2.4	1.14	0.01	0
42	69.41	75.57	71.17	54.47	73.37	0.06	1.52	1.76	0	-0.01	0.01	2.82	1.35	0.01	0
42.5	68.97	76.88	71.17	54.91	72.93	0.07	1.32	1.11	0	0	0.01	2.5	1.27	0.02	0
43	69.85	76.01	71.17	54.47	72.93	0.05	1.17	1.06	0	0	0.01	2.47	1.59	0.01	0
43.5	68.53	76.01	71.61	54.91	73.37	0.04	1.26	1.04	0	0	0.01	2.21	1.64	0.02	0
44	68.53	76.88	71.61	54.91	73.37	0.04	1.21	1.04	0	0	0.01	2.57	1.64	0.01	0
44.5	68.97	76.01	71.61	54.91	73.81	0.04	1.23	1.09	0	-0.01	0.01	2.87	1.69	0.02	0
45	68.97	76.88	71.61	54.91	72.93	0.05	1.09	1.08	0	0	0.01	2.67	1.32	0.02	-1.17
45.5	68.97	76.01	71.61	54.91	73.37	0.05	1.18	1.02	0	0	0.01	2.73	1.36	0.02	0
46	68.53	76.44	72.05	54.47	72.93	0.02	0.95	1.06	0	-0.01	0.01	2.84	1.22	0.02	0
46.5	68.53	77.32	72.05	54.91	72.93	0.05	0.93	1.02	0	0	0.01	2.76	1.75	0.02	0
47	68.53	76.88	72.05	54.91	72.93	0.05	0.73	1.09	0	0	0.01	2.96	1.83	0.02	0
47.5	68.1	77.32	71.61	54.91	72.93	0.04	0.94	1.08	0	0	0.01	3.14	1.8	0.02	0
48	68.97	76.88	71.61	54.91	72.93	0.02	1.09	1.01	0	-0.01	0.01	3.02	1.63	0.02	0
48.5	67.66	76.88	71.61	54.91	72.93	0.05	0.61	1.05	0	-0.01	0.01	3.14	1.68	0.03	0
49	68.53	77.32	72.49	54.93	73.37	0.04	1.01	1.06	0	0	0.01	3.33	1.69	0.03	0

40.5	60.97	70.44	72.05	54.91	72.93	0.05	1.21	1.04	0	0	0.01	3.14	1.86	0.02	0
50	60.1	77.32	72.05	54.47	73.37	0.04	1.15	1.06	0	-0.01	0.01	3.33	1.87	0.03	0
50.5	60.53	77.70	71.61	55.35	72.93	0.04	1	1.09	0	0	0.01	3.33	1.82	0.02	0
51	60.97	76.80	71.61	54.47	72.93	0.04	0.72	1.08	0	0	0.01	3.36	1.79	0.03	-1.01
51.5	60.97	76.2	71.61	54.47	72.93	0.03	0.87	1.03	0	-0.01	0.01	3.33	1.89	0.03	0
52	60.53	76.80	71.17	54.47	72.93	0.05	1.13	1.05	0	-0.01	0.01	3.4	1.92	0.04	0
52.5	60.53	76.80	72.05	54.91	72.93	0.04	1.21	1.02	0	0	0.01	3.4	1.91	0.03	0
53	60.53	76.44	71.61	54.91	73.37	0.03	1.2	1.06	0	-0.01	0.01	3.33	1.98	0.03	0
53.5	60.41	76.80	71.61	54.91	72.93	0.06	1.1	1.06	0	0	0.01	3.4	2.07	0.03	0
54	60.97	76.80	71.17	54.91	72.93	0.04	0.99	1.12	0	-0.01	0.01	3.29	2.09	0.03	0
54.5	60.53	76.80	71.61	54.91	72.93	0.04	1.1	1.07	0	0	0.01	3.29	2.22	0.04	0
55	60.53	77.32	71.17	54.91	72.93	0.06	1.36	1.04	0	0	0.01	3.33	2.23	0.04	0
55.5	60.1	77.32	71.61	54.91	73.81	0.04	1.15	1	0	-0.01	0.01	3.29	2.31	0.03	0
56	60.41	76.44	72.05	54.47	72.93	0.05	0.89	1.06	0	-0.01	0.01	3.33	2.34	0.04	0
56.5	60.1	76.80	72.05	55.35	73.37	0.06	0.79	1.06	0	0	0.01	3.26	2.33	0.04	0
57	60.1	76.44	71.61	54.47	72.93	0.04	0.59	1.05	0	-0.01	0.01	3.33	2.26	0.04	0
57.5	60.53	76.80	71.17	54.91	72.93	0.05	0.64	1.04	0	0	0.01	3.33	2.28	0.04	0
58	60.53	77.76	71.61	55.35	72.93	0.03	1.22	1.07	0	0	0.01	3.4	2.43	0.04	0
58.5	60.1	77.76	72.05	54.47	72.93	0.03	1.12	0.97	0	-0.01	0.01	3.26	2.43	0.03	0
59	67.66	77.32	71.61	54.91	72.93	0.05	0.71	1	0	0	0.01	3.33	2.47	0.03	0
59.5	60.53	77.32	71.61	54.91	72.49	0.05	1.19	1	0	0	0.01	3.4	2.61	0.04	0
60	60.53	76.80	72.05	54.47	72.93	0.04	0.94	1.07	0	0	0.01	3.36	2.57	0.05	0
60.5	60.53	77.76	72.05	54.47	72.49	0.05	1.21	1.04	0	-0.01	0.01	3.26	2.61	0.05	0
61	60.1	76.80	72.05	54.47	72.49	0.05	0.94	1.05	0	0	0.01	3.33	2.64	0.04	0
61.5	67.66	77.32	72.05	54.47	72.93	0.03	0.41	0.47	0	0	0.01	3.29	2.66	0.06	0
62	67.66	77.76	72.05	54.47	72.93	0.03	0.03	0.03	0	0	0.01	3.23	2.77	0.03	-0.8
62.5	60.41	76.80	71.17	54.47	72.49	0.03	0	0.01	0	-0.01	0.01	3.2	2.84	0.03	0
63	60.1	76.2	72.05	54.47	73.37	0.04	0.01	0	0	0	0.01	3.26	2.8	0.03	0
63.5	67.66	77.76	72.05	54.47	72.93	0.03	0.01	0.01	0	0	0.01	3.23	2.8	0.03	0
64	60.53	76.80	71.61	54.03	72.05	0.04	0.01	0.02	0	0	0.01	3.14	2.8	0.03	0
64.5	67.66	76.2	72.05	54.03	72.49	0.03	0.01	0	0	0	0.01	3.17	2.77	0.03	0
65	60.1	76.80	72.05	54.91	72.49	0.03	0.01	0.01	0	0	0.01	3.14	2.77	0.03	-0.5
65.5	67.66	76.64	72.05	54.03	72.93	0.03	0	0	0	0	0.01	3.12	2.84	0.03	-1.01
66	67.66	77.76	72.49	54.47	72.93	0.04	0.01	0	0	0	0.01	3.09	2.71	0.03	0
66.5	60.1	76.64	71.61	54.47	72.93	0.03	0	0.01	0	0	0.01	3.12	2.8	0.03	0
67	67.66	76.2	72.05	53.59	72.49	0.03	0	0.01	0	0	0.01	3.17	2.84	0.02	0
67.5	60.1	77.76	72.05	54.91	72.49	0.03	0.01	0.01	0	0	0.01	3.14	2.74	0.02	0
68	67.66	76.64	72.49	54.03	73.37	0.03	0.01	0.01	0	0	0.01	3.12	2.51	0.02	0
68.5	60.1	77.32	72.49	54.47	72.49	0.03	0.01	0.01	0	0	0.01	3.09	2.57	0.02	0
69	60.1	76.2	72.49	54.91	71.61	0.03	0	0.01	0	0	0.01	3.12	2.87	0.02	0
69.5	60.1	77.76	71.61	54.03	72.49	0.03	0.01	0	0	0	0.01	3.07	2.74	0.02	0
70	60.1	77.76	72.49	54.47	72.93	0.03	0	0.01	0	0	0.01	3.09	2.51	0.02	-1.41
70.5	60.1	76.64	72.49	54.47	72.49	0.03	0	0.01	0	0	0.01	2.88	2.59	0.02	0
71	67.22	76.64	72.49	54.03	73.37	0.03	0	0	0	0	0.01	2.78	2.51	0.02	0
71.5	67.22	76.2	72.49	54.47	72.93	0.03	0	0.01	0	0	0.01	2.92	2.64	0.02	0
72	60.1	77.32	72.49	54.47	72.93	0.03	0.01	0.01	0	0	0.01	2.96	2.57	0.02	0
72.5	67.66	76.2	72.49	54.47	72.93	0.03	0	0	0	0	0.01	3.04	2.66	0.02	0
73	67.66	76.2	72.49	54.47	72.93	0.03	0	0	0	0	0.01	3.14	2.61	0.02	0
73.5	67.66	76.2	72.93	54.47	72.93	0.03	0.01	0	0	0	0.01	2.92	3.4	0.02	0
74	67.66	76.2	72.49	54.91	72.49	0.03	0	0	0	0	0.01	2.96	3.61	0.02	0
74.5	67.22	76.2	72.93	54.03	72.93	0.03	0	0	0	0	0.01	2.9	3.5	0.02	0
75	67.22	76.64	72.93	54.47	72.93	0.03	0.01	0.01	0	0	0.01	2.83	2.99	0.02	-0.5
75.5	67.66	76.64	72.49	54.47	72.49	0.03	0.01	0.01	0	0	0.01	2.81	3.25	0.02	0
76	67.66	76.2	72.05	54.47	72.93	0.03	0	0	0	0	0.01	2.81	3.74	0.02	0
76.5	67.66	76.64	72.49	54.47	72.49	0.03	0.01	0	0	0	0.01	2.67	3.4	0.02	0
77	67.22	76.80	72.49	54.91	72.93	0.03	0	0.01	0	0	0.01	2.51	3.08	0.02	0

77.5	67.66	78.2	72.05	54.03	72.93	0.03	0.01	0.01	0	0	0.01	2.51	2.43	0.02	0
78	67.22	78.2	72.49	54.47	72.49	0.03	0	0	0	0	0.01	2.53	2.08	0.02	0
78.5	67.66	77.76	72.05	54.91	72.93	0.03	0	0.01	0	0	0.01	2.53	2.01	0.02	0
79	68.1	77.76	72.05	54.91	72.49	0.03	0.01	0.01	0	0	0.01	2.52	1.78	0.02	-0.5
79.5	66.78	79.52	72.49	54.03	72.93	0.02	0.01	0.01	0	0	0.01	2.5	1.69	0.02	0
80	67.66	77.76	72.05	54.03	72.49	0.03	0.01	0	0	0	0.01	2.4	1.73	0.02	-1.17
80.5	67.66	77.76	72.05	54.47	72.49	0.02	0.01	0	0	0	0.01	2.28	1.57	0.02	0
81	68.1	78.64	71.61	54.47	72.49	0.03	0	0.01	0	0	0.01	2.33	1.49	0.02	0
81.5	67.22	78.64	72.49	54.91	72.49	0.03	0.01	0.01	0	0	0.01	2.22	1.78	0.02	0
82	67.66	77.76	72.05	54.03	72.49	0.03	0.01	0	0	0	0.01	2.19	1.56	0.02	-1.17
82.5	68.1	77.32	72.05	54.47	72.93	0.02	0	0	0	0	0.01	2.12	1.8	0.02	0
83	67.66	77.76	72.93	54.91	72.93	0.03	0	0	0	0	0.01	2.08	1.53	0.01	0
83.5	67.66	77.32	72.05	54.47	72.05	0.02	0.01	0.01	0	0	0.01	1.98	1.5	0.01	0
84	67.22	77.32	72.05	54.03	72.49	0.03	0.01	0.01	0	0	0.01	1.93	1.78	0.02	0
84.5	67.66	77.76	73.37	54.03	72.49	0.03	0.01	0.01	0	0	0.01	1.83	2.4	0.01	-0.8
85	66.78	78.2	72.93	54.03	72.05	0.03	0	0	0	0	0.01	1.88	1.11	0.01	0
85.5	67.66	77.32	72.93	54.03	72.49	0.03	0.01	0	0	0	0.01	1.95	0.74	0.01	-1.17
86	66.78	78.2	72.93	54.47	72.49	0.03	0	0.01	0	0	0.01	2.28	0.53	0.01	0
86.5	66.78	78.2	72.05	54.03	72.49	0.03	0.01	0	0	0	0.01	1.52	0.23	0.01	0
87	67.66	78.2	72.93	54.03	72.93	-0.01	0	0.01	0	0	0.01	1.45	0.17	0.01	0
87.5	67.66	77.76	72.49	54.47	72.93	0.04	0	0.01	0	0	0.01	1.34	0.22	0.02	0
88	66.78	78.64	72.93	54.91	72.49	0.03	0	0	0	0	0.01	1.17	0.09	0.02	0
88.5	67.66	78.2	73.37	54.47	72.49	0.03	0	0	0	0	0.01	0.93	0.11	0.02	0
89	66.78	78.2	73.37	54.91	72.93	0.03	0	0.01	0	0	0.01	0.93	0.05	0.01	0
89.5	67.22	77.76	73.37	54.91	73.81	0.03	0.01	0	0	0	0.01	0.76	0.04	0.01	0
90	66.78	78.64	73.37	54.03	72.49	0.03	0	0.01	0	0	0.01	0.82	0.04	0.01	0
90.5	66.78	78.2	73.37	54.47	72.49	0.03	0.01	0.01	0	0	0.01	0.78	0.04	0.01	0
91	66.78	78.2	73.37	54.03	72.49	0.03	0.01	0	0	0	0.01	0.71	0.03	0.01	0
91.5	67.22	77.76	73.37	54.03	72.49	0.03	0	0.01	0	0	0.01	0.59	0.03	0.01	0
92	67.22	78.2	73.37	54.03	72.49	0.03	0.01	0.01	0	0	0.01	0.34	0.03	0.01	0
92.5	67.22	78.2	72.49	54.47	72.93	0.02	0.01	0	0	0	0.01	0.35	0.04	0.01	0
93	66.34	78.2	73.37	54.47	72.49	0.03	0.01	0	0	0	0.01	0.29	0.04	0.01	0
93.5	66.78	78.2	72.49	54.47	72.49	0.02	0.01	0.01	0	0	0.01	0.28	0.02	0.01	0
94	66.78	79.08	72.93	54.03	72.49	0.03	0.01	0.01	0	0	0.01	0.26	0.02	0.01	0
94.5	66.78	78.64	72.93	54.03	72.49	0.03	0.01	0	0	0	0.01	0.19	0.08	0.01	0
95	66.34	79.08	72.93	54.47	72.93	0.03	0.01	0	0	0	0.01	0.2	0.15	0.01	-0.5
95.5	66.78	78.64	72.49	54.91	72.49	0.03	0.01	0	0	0	0.01	0.22	0.05	0.01	0
96	66.34	79.08	72.49	53.59	72.49	0.03	0.01	0.01	0	0	0.01	0.19	0.07	0.01	0
96.5	67.22	78.64	72.93	54.03	72.49	0.03	0	0	0	0	0.01	0.21	0.12	0.01	0
97	66.78	77.76	72.93	54.03	72.49	0.03	0.01	0.01	0	0	0.01	0.19	0.06	0.01	0
97.5	66.34	78.2	72.93	54.47	72.49	0.03	0.01	0	0	0	0.01	0.24	0.02	0.01	-0.5
98	66.78	78.2	72.93	54.03	72.49	0.03	0.01	0	0	0	0.01	0.14	0.02	0.01	0
98.5	66.78	78.2	72.49	54.03	71.61	0.03	0.01	0.01	0	0	0.01	0.1	0.06	0.01	0
99	66.34	79.08	72.05	54.03	72.93	0.03	0	0.01	0	0	0.01	0.06	0.11	0.01	0
99.5	66.78	78.64	71.17	53.59	72.93	0.03	0.01	0.01	0	0	0.01	0.02	0.09	0.01	-0.8
100	67.22	79.08	71.61	54.03	72.49	0.02	0.01	0.01	0	0	0.01	0.04	0.1	0.01	0
100.5	66.78	79.08	71.17	54.03	72.49	0.03	0	0	0	0	0.01	0.01	0.15	0.01	0
101	66.78	79.96	71.17	54.03	72.93	0.03	0.01	0.01	0	0	0.01	0.01	0.12	0.01	-1.01
101.5	66.34	79.08	71.17	54.47	72.49	0.03	0.01	0	0	0	0.01	0.01	0.12	0.01	0
102	66.34	79.52	71.61	54.03	72.49	0.03	0.01	0	0	0	0.01	0.01	0.11	0.01	0

FILE A:TEST4.PRM

No.Chan. 15

DATE 05-23-1986

Before Pr 13.75

Preheat T 1.25

L/L TIME 1

M/H Time 2

H/H Time 6

Second M/ 2

Second L/ 19

TIME	1	2	3	4	5	11	12	13	16	17	18	19	20	21	22
MIN.	TEMP1	TEMP2	TEMP3	TEMP4	TEMP5	PRES1	PRES2	PRES3	IRLED1	IRLED2	IRLED3	IRLED4	IRLED5	IRLED6	IRLED7
0	70.29	75.13	71.17	53.59	71.17	0.03	0	0	0	0	0	0	0	0	0
0.5	71.17	74.25	71.17	53.59	72.05	0.03	0	0	0	0	0	0	0	0	0
1	70.73	73.37	71.17	53.59	72.93	0.03	0	0.01	0	0	0	0	0	0	0
1.5	70.29	75.13	71.01	54.03	72.05	0.03	0.01	0	0	0	0	0	0	0	0
2	70.29	74.69	71.61	54.03	72.49	0.02	0	0	0	0	0	0	0	0	0
2.5	70.29	74.69	71.17	53.59	71.61	0.02	0.01	0	0	0	0	0	0	0	0
3	70.29	74.25	71.61	53.59	72.05	0.03	0	0	0	0	0	0	0	0	0
3.5	71.61	76.01	70.73	53.59	72.05	0.02	0.01	0	0	0	0	0	0	0	0
4	70.29	75.57	71.17	53.59	71.61	0.02	0	0	0	0	0	0	0	0	0
4.5	70.29	75.13	71.61	53.59	72.05	0.03	0.01	0.01	0	0	0	0	0	0	0
5	70.29	75.13	71.17	53.59	72.05	0.02	0.01	0.01	0	0	0	0	0	0	0
5.5	69.85	76.01	71.17	54.03	71.61	0.01	0.01	0	0	0	0.01	0	0	0	0
6	69.41	76.01	71.17	53.15	71.61	0.02	0.01	0	0	0	0	0	0	0	0
6.5	69.41	75.13	71.61	53.15	71.61	0.02	0.01	0	0	0	0	0	0	0	0
7	69.85	76.01	71.17	53.59	72.49	0.02	0.01	0	0	0	0	0	0	0	0
7.5	69.41	75.57	71.61	54.03	71.17	0.02	0	0	0	0	0	0	0	0	0
8	68.97	75.13	71.61	53.59	72.05	0.03	0.08	0.07	0	0	0	0	0	0	0
8.5	69.85	75.57	71.61	53.15	71.17	0.03	0.01	0	0	0	0.01	0	0	0	0
9	69.85	75.57	71.61	53.15	72.05	0.02	0	0	0	0	0	0	0	0	0
9.5	69.41	75.57	71.17	53.59	71.61	0.03	0	0	0	0	0	0	0	0	0
10	69.41	76.88	71.17	53.59	71.61	0.03	0	0	0	0	0	0	0	0	0
10.5	68.97	75.57	71.61	54.03	71.17	0.03	0	0	0	0	0	0	0	0	0
11	69.41	76.88	71.17	53.15	71.61	0.03	0.01	0	0	0	0	0	0	0	0
11.5	70.29	75.57	70.73	53.15	71.17	0.02	0.01	0.01	0	0	0	0	0	0	0
12	69.41	76.01	70.73	53.59	71.17	0.03	0.01	0	0	0	0	0	0	0	0
12.5	69.41	75.13	71.61	54.47	71.61	0.03	0.01	0	0	0	0	0	0	0	0
13	68.97	75.13	71.17	53.59	72.49	0.03	0	0	0	0	0	0	0	0	0
13.5	69.41	76.88	71.17	53.15	71.17	0.03	0	0	0	0	0	0	0	0	0
14	68.97	76.44	71.17	53.59	71.17	0.03	0	0	0	0	0	0	0	0	0
14.5	68.97	75.57	71.17	53.59	71.17	0.02	0.01	0	0	0	0	0	0	0	0.28
15	68.53	75.57	71.17	53.59	72.93	0.03	0	0	0	0	0	0	0	0	0.28
15.5	68.53	76.44	71.17	54.03	71.17	0.04	0.8	1.12	0	0	0	0	0	0	1.36
16	68.53	75.57	70.73	53.15	71.61	0.04	1.16	1.09	0	0	0	0	0	0	0.68
16.5	67.66	76.44	71.17	53.59	71.61	0.06	1.23	1.73	0	0	0.01	0	0	0	1.52
17	66.78	76.44	71.61	53.59	71.61	0.06	1.61	1.77	0	0	0	0	0	0	2.36
17.5	67.22	76.44	71.61	53.15	71.61	0.05	1.32	1.82	0	0	0	0	0	0	3.68
18	66.78	75.57	71.17	53.59	71.61	0.05	1.74	1.79	0	0	0.01	0	0	0	5.72
18.5	66.78	75.57	71.17	53.59	71.61	0.08	1.89	2.3	0	0	0.01	0	0	0	5.4
19	66.78	76.44	70.73	53.15	71.17	0.05	1.92	2.26	0	0	0.01	0	0.01	0	10.04
19.5	66.78	76.01	71.17	53.59	71.61	0.08	2.02	2.26	0	0	0	0	0.01	0	8.12
20	66.78	76.44	70.73	53.15	71.61	0.05	1.95	2.24	0	0	0.01	0	0.03	0	9.24
20.5	66.34	77.32	71.17	53.59	71.61	0.07	2.22	2.29	0	0	0.01	0	0.05	0.01	10.32
21	66.78	76.44	71.17	53.59	71.61	0.06	1.86	2.29	0	0	0.01	0	0.1	0.03	13.28

21.5	66.34	76.88	71.61	53.15	71.61	0.06	1.75	2.27	0	0	0.01	0	0.11	0.02	11.24
22	66.34	77.32	71.17	54.03	71.61	0.08	1.94	2.29	0	0	0.01	0	0.18	0.02	12.36
22.5	67.66	76.01	71.17	53.59	71.17	0.06	2.13	2.28	0	0	0.01	0	0.18	0.02	11.24
23	66.34	77.76	71.17	53.59	71.61	0.05	1.84	2.29	0	0	0	0.01	0.19	0.01	12.04
23.5	66.78	78.2	71.17	53.59	71.61	0.07	1.99	2.25	0	0	0.01	0.02	0.36	0.05	10.48
24	66.78	77.76	70.73	53.59	71.61	0.07	1.88	2.28	0	0	0.01	0.06	0.32	0.04	11.36
24.5	67.22	76.44	71.17	53.59	71.17	0.05	1.53	1.78	0	0	0.01	0.09	0.29	0.06	11.88
25	66.78	76.44	70.73	53.59	71.61	0.06	1.38	1.81	0	0	0.01	0.16	0.45	0.04	13.68
25.5	66.78	77.76	71.17	53.59	71.17	0.06	1.48	1.76	0	0	0.01	0.2	0.47	0.07	11.88
26	66.78	76.44	71.17	54.03	70.73	0.06	1.3	1.75	0	0	0.01	0.28	0.3	0.04	11.8
26.5	66.78	77.32	70.73	53.59	70.73	0.04	1.27	1.05	0	0	0.01	0.31	0.32	0.04	13.08
27	66.78	77.76	70.73	53.59	71.17	0.06	0.85	1.06	0	0	0.01	0.32	0.58	0.04	12.2
27.5	66.78	76.44	71.17	53.15	71.61	0.04	1.46	1.13	0	0	0.01	0.39	0.44	0.05	11.52
28	66.34	76.88	71.17	53.15	72.05	0.04	0.86	1.13	0	0	0.01	0.41	0.44	0.09	12.56
28.5	66.34	78.2	71.17	54.03	71.17	0.04	1.13	1.06	0	0	0.01	0.49	0.39	0.06	11.76
29	65.9	77.76	71.61	53.59	71.61	0.04	0.54	1.07	0	0	0.01	0.47	0.38	0.08	10.72
29.5	66.34	77.76	71.17	53.59	71.17	0.04	1.23	1.12	0	0	0.01	0.54	0.33	0.05	12.2
30	66.34	77.76	71.17	53.15	71.61	0.04	1.39	1.07	0	0	0.01	0.63	0.41	0.07	10.88
30.5	65.9	77.32	71.61	53.59	71.17	0.05	0.79	1.11	0	0	0.01	0.65	0.33	0.07	11.24
31	65.9	77.76	70.73	53.59	71.17	0.05	1.44	1.09	0	0	0.01	0.75	0.4	0.07	10.72
31.5	65.9	78.2	71.61	53.15	71.17	0.04	1.17	1.11	0	0	0.02	0.92	0.34	0.11	10.48
32	66.34	76.88	71.17	53.15	71.17	0.07	0.78	1.11	0	0	0.01	0.93	0.44	0.09	10.4
32.5	65.9	77.32	71.61	53.59	71.17	0.02	1.33	1.12	0	0	0.01	1.02	0.46	0.11	9.16
33	65.9	78.2	71.61	53.59	71.61	0.02	0.58	1.13	0	0	0.01	1.14	0.39	0.09	10.32
33.5	65.9	78.64	71.17	53.59	70.73	0.02	0.53	1.09	0	0	0.01	1.18	0.47	0.06	9.92
34	66.34	78.2	71.17	53.59	71.61	0.03	1.41	1.09	0	0	0.01	1.39	0.54	0.09	9.28
34.5	65.9	77.76	71.61	53.59	71.61	0.04	1.05	1.12	0	0	0.01	1.47	0.58	0.06	9.76
35	66.34	77.32	71.17	53.15	71.17	0.05	1.05	1.1	0	0	0.01	1.57	0.57	0.09	8.64
35.5	66.34	77.32	70.73	52.71	71.17	0.05	1.27	1.08	0	0	0.01	1.73	0.55	0.13	7.84
36	65.9	76.88	71.17	53.15	71.17	0.05	0.79	1.1	0	0	0.01	1.78	0.55	0.07	9
36.5	66.34	77.32	71.17	53.59	71.17	0.06	1.18	1.12	0	0	0.01	1.9	0.58	0.09	10.2
37	66.34	76.88	70.73	53.59	71.17	0.03	0.62	1.09	0	0	0.02	1.96	0.62	0.08	7.84
37.5	66.78	77.32	71.17	53.15	71.17	0.04	0.84	1.07	0	0	0.01	2.25	0.75	0.1	9.88
38	66.34	77.32	71.61	53.59	70.73	0.04	1.4	1.07	0	0	0.01	2.29	0.78	0.07	9.64
38.5	66.34	77.76	71.61	53.15	71.61	0.03	1.16	1.04	0	0	0.01	2.38	0.95	0.1	8.76
39	66.34	77.32	71.17	53.59	71.17	0.05	0.53	1.13	0	0	0.01	2.55	0.88	0.08	8.52
39.5	66.34	78.2	71.61	52.71	71.17	0.05	0.56	1.12	0	0	0.01	2.58	1.02	0.08	6.96
40	66.78	76.88	71.17	53.15	71.17	0.06	0.75	1.16	0	0	0.01	2.69	0.91	0.11	8.36
40.5	65.9	78.64	71.17	53.15	70.73	0.04	0.56	1.07	0	0	0.01	2.83	1.02	0.08	8.4
41	66.34	77.32	71.61	53.15	71.17	0.03	0.87	1.09	0	0	0.01	2.83	1	0.11	9.28
41.5	66.34	77.76	71.17	53.59	71.17	0.05	1.04	1.13	0	0	0.01	3.06	0.91	0.12	8.44
42	66.34	78.64	71.17	54.03	71.17	0.06	0.85	1.08	0	0	0.01	3.16	0.84	0.1	7.72
42.5	66.34	78.2	70.73	54.03	70.29	0.06	0.88	1.14	0	0	0.01	3.19	1.02	0.14	8.12
43	66.34	77.76	71.17	53.59	71.17	0.02	0.84	1.05	0	0	0.01	3.32	0.92	0.09	7.8
43.5	66.78	76.88	71.17	53.59	70.73	0.05	1.11	1.13	0	0	0.01	3.25	0.89	0.09	8.12
44	66.78	78.2	71.17	54.03	71.17	0.05	1.24	1.11	0	0	0.01	3.43	0.93	0.13	7.8
44.5	66.34	77.32	71.17	53.15	70.73	0.04	1.2	1.08	0	0	0.01	3.43	0.98	0.11	8.04
45	65.9	77.32	71.17	53.59	71.17	0.04	0.65	1.07	0	0	0.01	3.47	1.07	0.12	8.16
45.5	66.34	77.76	71.17	53.59	71.17	0.03	0.2	0.22	0	0	0.01	3.51	0.96	0.11	6.88
46	66.34	78.64	71.17	53.59	71.17	0.03	0.02	0.02	0	0	0.01	3.47	0.99	0.07	5.4
46.5	67.22	78.2	71.17	54.03	70.73	0.03	0.01	0	0	0	0.01	3.51	0.93	0.09	4.36
47	66.78	77.76	71.61	53.59	71.17	0.03	0.01	0	0	0	0.01	3.51	0.92	0.07	4.32
47.5	66.78	77.76	71.61	53.15	71.17	0.03	0	0.01	0	0	0.01	3.43	0.94	0.07	4.44
48	66.78	78.64	71.17	53.59	71.17	0.03	0	0.01	0	0	0.01	3.56	0.97	0.06	4.32
48.5	66.78	78.2	71.17	53.59	71.17	0.04	0	0	0	0	0.01	3.51	0.98	0.07	4.2
49	66.34	79.08	71.17	53.59	71.17	0.03	0	0.01	0	0	0.01	3.56	0.97	0.06	4.16

49.5	66.34	79.08	71.61	52.27	71.61	0.04	0	0.01	0	0	0.01	3.51	0.99	0.06	4.24
50	66.34	79.08	71.61	53.59	70.73	0.02	0.01	0	0	0.01	0.01	3.43	1	0.07	4.36
50.5	66.34	78.64	72.05	53.59	71.17	0.5	-0.42	0.03	0	0	0.01	3.22	1.01	0.08	4.44
51	67.22	78.2	71.61	53.15	70.73	0.13	-0.1	0.01	0	0	0.01	2.2	1.3	0.22	4.52
51.5	67.22	79.08	70.73	53.15	71.17	0.11	-0.08	0.01	0.14	0	0.01	1.85	1.61	0.16	4.6
52	67.22	79.52	71.61	53.59	70.73	0.1	-0.08	0.01	0.1	0	0.02	1.25	1.21	0.16	4.88
52.5	67.66	79.08	71.61	54.03	71.17	0.04	0	0.01	0.28	0.01	0.01	0.94	1.27	0.18	5.04
53	67.66	79.08	71.17	54.03	70.73	0.1	-0.07	0.01	0.5	0.01	0.01	0.62	1.32	0.14	5.08
53.5	68.1	78.2	71.17	53.15	71.17	0.05	-0.03	0	0.38	0	0.01	0.54	1.17	0.12	5.16
54	68.53	78.2	70.73	53.59	71.17	0.19	-0.15	0.01	0.36	0	0.01	0.67	2.36	0.19	4.48
54.5	68.1	78.2	71.61	53.15	71.17	0.16	-0.13	0.01	0.38	0.01	0.01	0.65	2.48	0.13	4.44
55	68.97	79.52	71.17	54.03	71.17	0.16	-0.13	0.01	0.39	0.01	0.01	0.65	2.15	0.14	4.24
55.5	68.97	78.2	70.73	54.03	71.17	0.13	-0.1	0	0.36	0.01	0.01	0.51	1.92	0.17	4.12
56	68.53	79.08	71.61	53.59	71.17	0.16	-0.12	0.01	0.36	0	0.01	0.41	1.64	0.1	4.72
56.5	68.97	78.64	71.61	53.59	71.61	0.15	-0.12	0.01	0.36	0.01	0.01	0.36	1.56	0.09	4.76
57	69.41	77.76	71.61	53.59	71.17	0.14	-0.11	0	0.35	0.01	0.01	0.3	1.4	0.09	5.2
57.5	68.97	77.76	72.05	53.59	71.17	0.14	-0.12	0.01	0.35	0.01	0.01	0.27	1.33	0.08	4.36
58	69.41	77.76	71.61	53.15	71.17	0.12	-0.1	0	0.35	0.01	0.01	0.22	1.21	0.08	4.44
58.5	68.53	77.76	72.05	53.59	71.17	0.11	-0.09	0.01	0.35	0.01	0.01	0.18	1.18	0.08	5.12
59	69.41	76.88	71.61	54.03	69.85	0.11	-0.08	0	0.34	0.01	0.01	0.18	1.11	0.08	4.92
59.5	69.85	77.76	72.05	53.15	71.17	0.12	-0.09	0.01	0.33	0.01	0.01	0.14	1.03	0.07	4.12
60	68.97	78.2	72.05	53.15	71.17	0.12	-0.09	0.01	0.32	0.01	0.01	0.16	0.84	0.07	3.88
60.5	68.97	78.2	71.61	53.59	70.73	0.11	-0.08	0.01	0.31	0.01	0.01	0.19	0.71	0.07	3.72
61	68.97	78.64	71.61	53.15	70.73	0.13	-0.09	0.01	0.31	0.01	0.01	0.18	0.65	0.07	3.6
61.5	68.97	77.32	72.49	52.71	70.73	0.14	-0.11	0	0.3	0.01	0.01	0.15	0.62	0.06	3.12
62	69.41	77.76	71.17	53.59	70.73	0.13	-0.1	0	0.29	0.01	0.01	0.12	0.58	0.06	2.32
62.5	69.41	76.88	71.61	53.59	71.17	0.14	-0.11	0	0.29	0.01	0.01	0.14	0.54	0.06	2.84
63	69.41	78.2	72.05	53.59	70.73	0.13	-0.11	0.01	0.28	0.01	0.01	0.14	0.45	0.06	2.6
63.5	69.41	77.76	72.05	53.15	71.17	0.14	-0.11	0	0.27	0	0.01	0.1	0.4	0.06	2.72
64	69.85	78.2	71.61	53.15	72.05	0.14	-0.11	0.01	0.27	0	0.01	0.09	0.36	0.06	2.24
64.5	68.97	78.2	71.17	53.59	70.73	0.15	-0.13	0.01	0.26	0	0.01	0.09	0.37	0.06	2.04
65	69.85	78.64	71.61	53.59	70.73	0.12	-0.1	0.01	0.25	0.01	0.01	0.08	0.43	0.06	1.8
65.5	69.41	77.76	72.05	53.59	71.17	0.13	-0.1	0	0.25	0.01	0.01	0.08	0.43	0.06	1.96
66	69.85	77.32	71.17	53.59	70.73	0.15	-0.12	0.01	0.24	0.01	0.01	0.08	0.5	0.06	1.6
66.5	69.85	77.32	71.61	52.27	71.61	0.15	-0.12	0.01	0.24	0	0.01	0.07	0.48	0.06	1.68
67	69.41	77.76	71.61	53.59	71.17	0.14	-0.12	0.01	0.23	0.01	0.01	0.06	0.47	0.06	1.6
67.5	70.73	77.32	72.05	53.15	70.73	0.16	-0.12	0	0.23	0	0.01	0.05	0.44	0.06	1.48
68	69.85	78.2	72.05	53.15	71.17	0.16	-0.13	0	0.22	0	0.01	0.05	0.39	0.06	1.44
68.5	70.29	77.32	72.49	53.15	70.73	0.16	-0.13	0	0.21	0	0.01	0.04	0.35	0.06	1.28
69	69.85	77.76	72.05	53.59	70.73	0.16	-0.13	0.01	0.21	0.01	0.01	0.04	0.36	0.06	1.24
69.5	69.41	78.2	72.49	53.59	70.73	0.17	-0.14	0.01	0.2	0	0.01	0.03	0.32	0.06	1.12
70	69.85	78.64	72.49	53.59	71.17	0.16	-0.13	0.01	0.19	0	0.01	0.03	0.29	0.06	1.04
70.5	69.85	77.32	71.61	53.15	71.17	0.13	-0.08	0.01	0.18	0	0.01	0.03	0.28	0.06	1
71	69.41	77.32	72.49	52.71	70.73	0.17	-0.13	0.01	0.17	0	0.01	0.03	0.27	0.05	0.96
71.5	69.85	77.32	72.49	53.15	71.61	0.17	-0.13	0	0.17	0	0.01	0.03	0.25	0.05	0.88
72	69.85	77.32	72.49	53.15	71.17	0.17	-0.13	0.01	0.15	0	0.01	0.02	0.23	0.05	0.84
72.5	69.85	78.64	72.49	53.59	70.73	0.17	-0.13	0	0.14	0	0.01	0.02	0.22	0.05	0.8
73	69.85	78.2	72.49	53.59	70.73	0.16	-0.13	0.01	0.15	0	0.01	0.02	0.2	0.05	0.76
73.5	69.85	78.2	72.49	53.59	70.73	0.16	-0.14	0	0.13	0	0	0.02	0.19	0.05	0.72

FILE A:TEST5.PRM

No.Chan. 15

DATE 05-23-1986

Before Pr 13.75

Preheat T 1.25

L/L TIME 1

M/H Time 2

E/H Time 6

Second W/ 2

Second L/ 10

TIME	1	2	3	4	5	11	12	13	16	17	18	19	20	21	22
MIN.	TEMP1	TEMP2	TEMP3	TEMP4	TEMP5	PRES1	PRES2	PRES3	IRLED1	IRLED2	IRLED3	IRLED4	IRLED5	IRLED6	IRLED7
0	71.61	76.68	72.05	68.53	84.35	0.03	0.01	0.01	0	0	0	0	0	0	0
0.5	72.05	76.01	73.37	67.22	84.35	0.03	0.01	0.01	0	0	0	0	0	0	0
1	71.61	77.32	73.37	68.53	84.35	0.04	0	0.01	0	0	0	0	0	0	0
1.5	71.61	77.76	72.93	68.97	84.35	0.04	0	0.01	0	0	0	0	0	0	0
2	71.61	76.44	72.49	68.53	84.35	0.04	0	0.01	0	0	0	0	0	0	0
2.5	72.05	77.32	72.93	67.66	84.79	0.03	0	0.01	0	0	0	0	0	0	0
3	71.61	76.68	72.05	68.53	84.35	0.04	0	0	0	0	0	0	0	0	0
3.5	71.61	77.76	72.05	68.53	84.35	0.04	0.01	0.02	0	0	0	0	0	0	0
4	71.17	77.32	72.49	68.53	84.79	0.03	0.01	0.01	0	0	0	0	0	0	0
4.5	71.61	76.68	73.81	68.1	84.35	0.04	0	0.01	0	0	0	0	0	0	0
5	72.05	77.32	72.93	67.22	84.35	0.04	0	0	0	0	0	0	0	0	0
5.5	71.61	77.76	72.93	68.1	84.35	0.04	0	0.01	0	0	0	0	0	0	0
6	71.17	76.2	72.93	67.66	83.92	0.03	0.01	0.01	0	0	0.06	0	0	0	0
6.5	72.49	76.64	72.93	67.22	84.79	0.03	0	0.01	0	0	0	0	0	0	0
7	71.61	77.32	73.81	68.53	84.79	0.04	0	0.01	0	0	0	0	0	0	0
7.5	71.61	76.64	72.49	68.53	85.23	0.04	-0.01	0	0	0	0	0	0	0	0
8	71.61	76.68	73.37	68.1	85.23	0.05	-0.02	0	0	0	0	0	0	0	0
8.5	72.05	76.44	74.25	67.66	84.79	0.04	0	0	0	0	0	0	0	0	0
9	71.17	76.64	72.49	68.53	84.35	0.05	-0.01	0.01	0	0	0	0	0	0	0
9.5	71.61	77.32	73.37	68.53	84.35	0.04	-0.01	0	0	0	0	0	0	0	0
10	71.61	76.68	72.93	68.1	85.23	0.01	0	0.02	0	0	0	0	0	0	0
10.5	71.17	77.32	73.81	69.41	84.79	0.04	-0.01	0.01	0	-0.01	0	0	0	0	0
11	71.61	77.32	72.93	68.1	84.35	0.03	-0.01	0.01	0	0	0	0	0	0	0
11.5	72.05	77.32	73.81	67.66	84.35	0.05	-0.02	0.01	0	0	0	0	0	0	0
12	71.61	76.68	74.25	68.1	83.48	0.04	-0.01	0.01	0	0	0	0	0	0	0
12.5	71.61	77.76	73.81	68.53	84.35	0.05	-0.01	0.01	0	0	0.09	0	0	0	0
13	71.61	77.76	73.37	68.1	84.35	0.04	-0.01	0.01	0	0	0	0	0	0	0
13.5	71.61	77.32	72.93	69.41	84.35	0.05	-0.02	0	0	0	0	0	0	0	0
14	72.49	77.76	72.93	68.1	84.35	0.05	-0.01	0.01	0	-0.01	0	0	0	0	0
14.5	71.17	76.68	73.37	68.1	84.35	0.05	-0.01	0.01	0	0	0	0	0	0	1
15	69.41	76.68	73.37	68.1	84.35	0.04	-0.01	0	0	0	0	0	0	0	2.56
15.5	71.17	77.32	73.81	67.22	83.92	0.08	0.83	1.11	0	0	0	0	0	0	2.24
16	69.65	76.44	73.37	67.66	84.79	0.08	1.55	1.13	0	0	0	0	0	0	2.6
16.5	70.73	76.44	73.81	68.53	84.35	0.04	1.45	1.73	0	-0.01	0	0	0	0	1.84
17	70.29	77.76	74.25	68.97	84.35	0.07	1.46	1.82	0	-0.01	0	0	0	0	3.8
17.5	70.29	76.2	72.93	68.53	85.23	0.05	1.9	1.79	0	0	0	0	0	0	5.24
18	70.73	76.2	73.81	68.1	84.35	0.08	1.24	1.83	0	-0.01	0	0.03	0	0	7.68
18.5	70.73	77.76	72.49	68.1	84.79	0.08	2.3	2.23	0	0	0	0.08	0	0	6.8
19	70.73	77.76	72.93	68.97	83.92	0.04	1.79	2.25	0	-0.01	0	0.21	0	0	7.12
19.5	69.65	79.08	73.81	68.97	83.92	0.08	2.42	2.27	0	0	0	0.34	0	0	8.36
20	70.73	76.2	72.93	68.1	83.92	0.06	2.07	2.27	0	-0.01	0	0.76	0	0	7.52
20.5	70.73	76.44	74.69	68.1	84.35	0.08	1.97	2.33	0	0	0	1.37	0	0	7.84
21	70.29	77.32	72.49	69.41	84.35	0.1	1.6	2.27	0	-0.01	0	1.66	0	0	8.06



21.5	70.73	78.2	73.37	68.1	84.35	0.06	2.13	2.26	0	0	0	1.86	0	0	8.4
22	69.85	77.76	73.37	68.97	83.04	0.04	2.37	2.29	0	-0.01	0	2.65	0	0	8.08
22.5	70.29	78.2	73.81	68.97	84.79	0.06	1.54	2.24	0	-0.01	0	3.05	0.01	0	9
23	70.73	78.2	73.81	68.97	84.35	0.07	2.25	2.26	0	-0.01	0	3.15	0.01	0	7.36
23.5	70.73	77.32	73.37	68.53	84.79	0.09	1.8	2.21	0	-0.01	0	3.23	0.01	0	8.88
24	69.85	77.32	72.49	68.1	84.35	0.06	1.91	2.24	0	-0.01	0	3.4	0.06	0	10.56
24.5	70.73	78.64	72.93	68.1	84.35	0.04	1.47	1.77	0	-0.01	0.02	3.36	0.07	0	10.8
25	70.73	77.32	73.81	68.1	85.23	0.05	1.33	1.75	0	-0.01	0	3.57	0.08	0	10.88
25.5	71.17	77.76	73.37	69.41	84.35	0.04	1.36	1.74	0	-0.01	0	3.44	0.07	0	11.64
26	70.73	77.76	74.25	68.53	84.35	0.05	1.34	1.76	0	-0.01	0.01	3.48	0.07	0	10.76
26.5	70.29	78.2	73.81	69.41	84.79	0.04	0.95	1.12	0	0	0	3.57	0.06	0	12
27	70.73	78.2	73.37	68.97	84.35	0.04	0.8	1.13	0	0	0	3.53	0.07	0	11.64
27.5	70.73	78.64	72.49	68.97	85.23	0.06	1.08	1.12	0	-0.01	0	3.53	0.08	0	10
28	70.29	77.76	73.81	68.53	84.79	0.03	0.67	1.06	0	-0.01	0	3.48	0.08	0	9.32
28.5	70.73	78.2	74.25	68.1	84.79	0.06	0.95	1.08	0	-0.01	0	3.53	0.14	0	2.16
29	70.73	78.64	72.49	68.1	84.35	0.03	1.33	1.07	0	-0.01	0	3.53	0.17	0	9.16
29.5	69.85	77.76	72.93	67.66	84.35	0.05	1.17	1.08	0	-0.01	0	3.4	0.21	0	10.08
30	70.29	78.2	73.81	68.1	84.35	0.06	0.63	1.07	0	-0.01	0	3.44	0.24	0	8.44
30.5	70.29	78.2	72.49	68.1	85.23	0.07	0.76	1.09	0	-0.01	0	3.4	0.23	0	8.72
31	70.73	79.08	73.81	68.1	84.79	0.07	1.36	1.1	0	-0.01	0	3.44	0.24	0	7.8
31.5	69.41	78.64	74.25	69.41	84.35	0.04	1.17	1.09	0	-0.01	0	3.53	0.24	0	10
32	69.85	79.08	73.37	68.1	84.35	0.05	0.89	1.07	0	-0.01	0	3.53	0.24	0	8.4
32.5	70.29	78.64	74.25	68.97	84.79	0.06	1.11	1.02	0	-0.01	0	3.57	0.23	0	8.76
33	69.41	77.76	74.69	68.97	84.79	0.04	1.28	1.13	0	-0.01	0	3.57	0.24	0	9.64
33.5	69.41	78.2	73.37	67.66	84.35	0.06	0.93	1.11	0	-0.01	0	3.53	0.23	0	8.12
34	70.29	80.4	73.81	68.97	84.35	0.06	0.81	1.09	0	-0.01	0	3.53	0.24	0	7.64
34.5	70.29	79.08	72.93	68.53	84.79	0.04	1.36	1.08	0	-0.01	0	3.53	0.25	0	7.88
35	70.29	77.76	73.37	69.41	84.35	0.04	0.55	1.05	0	-0.01	0	3.48	0.26	0	11.64
35.5	70.29	80.4	73.37	68.53	84.35	0.04	1.32	1.12	0	-0.01	0	3.53	0.28	0	8.48
36	70.73	79.08	73.81	68.1	84.35	0.04	1.53	1.12	0	-0.01	0	3.53	0.29	0	9.48
36.5	70.29	78.64	73.81	68.53	84.79	0.04	0.87	1.1	0	-0.01	0	3.57	0.3	0	6.72
37	70.29	78.64	73.37	68.97	84.79	0.08	0.95	1.11	0	-0.01	0	3.57	0.32	0	9.44
37.5	70.29	78.64	73.81	67.66	84.35	0.06	0.81	1.07	0	-0.01	0	3.57	0.34	0	8.64
38	70.29	77.76	72.93	68.97	83.92	0.06	1.33	1.09	0	-0.01	0	3.53	0.34	0	9.68
38.5	70.29	79.08	74.25	69.41	84.35	0.08	1.16	1.11	0	-0.01	0	3.53	0.34	0	9.88
39	70.29	79.08	73.81	68.53	84.79	0.04	1.51	1.1	0	-0.01	0	3.57	0.33	0.01	8.6
39.5	69.85	77.76	73.81	68.1	84.35	0.06	1	1.1	0	-0.01	0	3.48	0.41	0.01	8.36
40	69.85	78.2	74.69	68.53	84.35	0.06	1.26	1.08	0	-0.01	0	3.57	0.42	0.01	9.32
40.5	70.29	78.64	73.81	68.53	84.35	0.05	1.24	1.09	0	-0.01	0	3.62	0.44	0.01	9.92
41	69.85	79.08	73.81	68.97	84.35	0.04	0.66	1.12	0	-0.01	0	3.57	0.46	0.01	10.36
41.5	69.85	79.52	72.93	68.53	84.35	0.06	0.79	1.13	0	-0.01	0	3.48	0.5	0.01	8.8
42	70.73	79.52	73.37	68.1	84.35	0.05	1.39	1.11	0	-0.01	0	3.53	0.5	0.01	10.72
42.5	70.29	78.2	72.05	68.97	84.35	0.03	1.24	1.12	0	-0.01	0	3.48	0.51	0.01	9.24
43	70.73	79.96	72.93	68.1	84.79	0.05	1.45	1.13	0	-0.01	0	3.53	0.51	0.01	8.88
43.5	69.41	78.2	73.37	69.41	84.35	0.07	1.01	1.07	0	-0.01	0	3.48	0.51	0.02	9.24
44	68.97	78.64	73.81	69.85	85.23	0.06	1.5	1.13	0	-0.01	0	3.53	0.52	0.03	8.76
44.5	70.29	77.76	73.37	68.53	83.92	0.05	1.29	1.14	0	-0.01	0	3.48	0.55	0.02	10.28
45	70.29	79.96	75.13	68.1	84.35	0.05	0.89	1.07	0	-0.01	0	3.48	0.55	0.02	9.52
45.5	70.29	78.2	74.69	69.41	83.92	0.05	0.04	0.04	0	-0.01	0	3.48	0.56	0.03	9.56
46	70.29	79.08	73.81	68.97	84.35	0.03	0	0.01	0	-0.01	0	3.53	0.58	0.03	10.92
46.5	68.97	79.52	73.37	68.53	84.35	0.04	0	0.01	0	-0.01	0	3.53	0.58	0.02	9.24
47	70.73	77.76	73.81	69.41	84.35	0.04	0	0.01	0	-0.01	0	3.53	0.6	0.02	8.72
47.5	70.29	78.64	73.37	68.1	84.79	0.03	0	0.01	0	-0.01	0	3.62	0.61	0.02	8.08
48	69.85	78.64	74.25	68.97	84.79	0.03	0	0.01	0	0	0	3.57	0.62	0.02	8.04
48.5	70.29	79.08	73.81	67.66	84.35	0.04	0	0.01	0	-0.01	0	3.57	0.62	0.02	7.4
49	69.85	79.08	73.81	69.85	83.92	0.04	0.01	0.01	0	-0.01	0	3.57	0.64	0.02	7.16

49.5	70.29	77.76	73.81	68.53	85.23	0.06	-0.02	0.01	0	-0.01	0	3.57	0.64	0.02	6.76
50	69.85	79.96	73.37	68.97	85.23	-0.02	0.06	0.01	0	-0.01	0	3.53	0.55	0.02	6.68
50.5	69.85	77.76	73.37	68.97	84.35	0	0.04	0.01	0	-0.01	0	3.57	0.59	0.03	6.2
51	70.73	79.08	73.81	68.53	84.35	0.01	0.03	0.02	0	-0.01	0	3.62	0.36	0.03	6.08
51.5	70.73	79.08	74.69	68.53	84.35	0.01	0.02	0.01	0	-0.01	0	3.57	0.37	0.02	6
52	69.85	79.08	74.69	68.53	84.35	0.01	0.03	0.01	0	-0.01	0	3.57	0.28	0.03	5.84
52.5	70.73	78.2	74.69	68.53	84.35	0.01	0.04	0.01	0	-0.01	0	3.57	0.38	0.01	5.72
53	70.73	77.76	75.13	68.1	84.35	0.01	0.04	0.01	0	-0.01	0	3.53	0.19	0.01	5.48
53.5	69.41	78.2	74.69	69.85	83.92	0.01	0.02	0.01	0	-0.01	0	3.57	0.17	0.01	5.36
54	70.29	78.64	73.81	68.97	84.35	0.02	0.02	0.01	0	-0.01	0	3.57	0.13	0.01	5.36
54.5	70.73	79.08	73.81	68.97	84.79	0.02	0.02	0.01	-0.01	-0.01	0	3.57	0.15	0.01	5.28
55	70.29	78.2	73.81	68.53	84.35	0.02	0.02	0.01	-0.01	-0.01	0	3.57	0.16	0.01	5.2
55.5	68.97	79.96	74.25	68.53	84.79	0.02	0.01	0	-0.01	-0.01	0	3.48	0.13	0.01	5.16
56	69.85	79.08	74.25	68.1	84.35	0.02	0.01	0.01	-0.01	-0.01	0	3.53	0.13	0.01	5.08
56.5	70.29	79.96	74.69	68.1	84.79	0.02	0.02	0	-0.01	-0.01	0	3.48	0.13	0.01	5
57	70.29	78.64	73.81	67.66	83.92	-0.04	0.07	0.01	-0.01	-0.01	0	3.48	0.14	0	4.92
57.5	70.29	80.4	74.25	68.97	84.35	0.01	0.03	0.01	-0.01	0	0	3.4	0.9	0	4.88
58	69.85	78.64	75.13	68.97	84.35	0	0.03	0.01	-0.01	-0.01	0	3.36	0.65	0.01	4.8
58.5	69.85	79.96	74.25	69.85	84.79	0.01	0.03	0.01	-0.01	-0.01	0	3.4	0.4	0	4.72
59	69.85	79.08	75.13	68.53	84.35	0.02	0.02	0	-0.01	0	0	3.17	0.36	0	4.64
59.5	70.73	79.08	74.25	68.53	84.35	0.01	0.03	0.01	-0.01	-0.01	0	3.33	0.26	0	4.52
60	69.85	78.64	74.25	68.97	83.92	0.02	0.03	0.01	-0.01	-0.01	0	3.26	0.2	0	4.48
60.5	69.85	79.08	75.13	69.41	84.35	0.01	0.03	0.01	-0.01	-0.01	0	3.23	0.45	0	4.4
61	69.85	80.4	73.81	68.1	84.35	0	0.04	0.01	-0.01	-0.01	0	3.17	0.47	0	4.32
61.5	70.29	80.4	74.25	68.1	84.35	0	0.04	0.02	-0.01	-0.01	0	3.17	0.51	0	4.24
62	70.73	78.2	74.25	69.41	84.35	0	0.03	0.01	-0.01	-0.01	0	3.15	0.3	0	4.2
62.5	69.85	80.4	73.37	68.1	84.35	0.01	0.03	0.01	-0.01	-0.01	0	3.12	0.23	0	4.12
63	70.29	79.08	74.25	68.97	84.35	0.01	0.03	0.01	-0.01	-0.01	0	3.1	0.35	0	4.08
63.5	69.85	78.64	73.37	68.53	83.92	0.02	0.02	0.01	-0.01	-0.01	0	3.05	0.23	0	4.04
64	69.85	79.96	73.81	68.97	84.79	0	0.03	0.01	-0.01	-0.01	0	3	0.25	0	3.92
64.5	69.85	79.52	75.13	68.97	84.35	0	0.03	0.01	-0.01	-0.01	0	3	0.3	0	3.88
65	70.29	79.52	74.69	69.85	83.92	-0.06	0.09	0.01	-0.01	-0.01	0.01	2.96	0.24	0	3.76
65.5	70.29	79.08	74.25	68.53	84.79	-0.05	0.08	0.01	-0.01	-0.01	0.01	2.92	0.18	0	3.76
66	69.85	78.64	74.69	68.53	84.35	-0.04	0.08	0.01	-0.01	-0.01	0.01	2.9	0.12	0	3.64
66.5	70.29	79.52	74.69	68.1	84.35	-0.06	0.09	0	-0.01	-0.01	0	2.85	0.1	0	3.52
67	69.85	79.96	74.25	68.97	83.92	-0.06	0.08	0	-0.01	-0.01	0.01	2.83	0.09	0	3.48
67.5	69.85	79.52	74.69	68.53	84.35	-0.04	0.08	0.01	-0.01	-0.01	0.01	2.85	0.17	0	3.36
68	70.29	79.96	75.13	68.53	84.35	-0.04	0.08	0.01	-0.01	-0.01	0	2.89	0.33	0	3
68.5	70.29	79.52	74.69	68.97	84.35	-0.05	0.08	0	-0.01	-0.01	0.01	2.89	0.35	0	3.08
69	70.29	79.52	74.25	69.41	84.35	-0.04	0.07	0	-0.01	-0.01	0	2.85	0.23	0	3.04
69.5	70.29	79.52	74.25	68.53	83.92	-0.05	0.08	0.02	-0.01	-0.01	0.01	2.61	0.17	0	3
70	70.29	78.64	74.25	69.85	84.35	-0.05	0.09	0.01	-0.01	0	0	2.51	0.39	0	2.96
70.5	69.85	79.96	74.25	68.97	84.35	-0.04	0.08	0.01	-0.01	0	0.01	2.49	0.27	0	2.92
71	70.29	79.96	75.13	68.97	83.92	-0.05	0.08	0.01	-0.01	-0.01	0.01	2.43	0.2	0	2.88
71.5	69.41	79.96	74.25	68.97	84.35	-0.05	0.08	0.01	-0.01	-0.01	0	2.4	0.16	0	2.8
72	69.85	79.52	73.81	68.53	83.92	-0.04	0.07	0	-0.01	-0.01	0.01	2.37	0.11	0	2.68
72.5	70.29	79.08	74.69	68.53	83.92	-0.04	0.07	0	-0.01	0	0.01	2.32	0.11	0	2.6
73	70.73	79.08	74.69	69.85	83.92	-0.04	0.07	0.01	-0.01	0	0.01	2.25	0.1	0	2.48
73.5	70.73	79.08	74.69	68.97	84.35	-0.02	0.06	0.01	-0.01	0	0	2.2	0.09	0	2.36
74	69.85	78.2	73.81	68.53	84.35	-0.03	0.06	0.01	-0.01	0	0	2.17	0.09	0	2.32
74.5	70.29	78.2	73.81	68.97	84.79	-0.03	0.07	0	-0.01	0	0	2.04	0.09	0	2.28
75	69.85	77.76	74.69	68.53	84.35	-0.03	0.06	0.01	-0.01	0	0	1.94	0.1	0	2.2
75.5	70.29	77.76	74.69	68.1	85.67	-0.02	0.06	0.01	-0.01	0	0	1.74	0.08	0	2.2
76	70.29	79.08	73.81	68.97	83.48	-0.03	0.06	0.01	-0.01	0	0	1.47	0.07	0	2.16
76.5	70.29	77.76	72.05	68.53	84.35	-0.03	0.07	0.01	-0.01	0	0	1.29	0.07	0	2.16
77	70.29	77.32	71.61	69.85	84.79	-0.03	0.07	0.01	-0.01	0	0	1.29	0.06	0	2.12

77.5	69.85	78.2	72.49	69.41	85.23	-0.02	0.06	0.01	-0.01	0	0	1.26	0.06	0	2.08
78	70.73	77.76	72.05	69.85	83.92	-0.03	0.07	0	-0.01	0	0	1.2	0.05	0	2.04
78.5	70.73	77.32	71.17	69.41	84.79	-0.03	0.07	0	-0.01	0	0	1.11	0.05	0	1.96
79	69.41	76.44	71.17	68.97	84.35	-0.03	0.07	0.01	-0.01	0	0	1.02	0.05	0	1.92
79.5	69.85	77.76	70.73	69.41	84.35	-0.03	0.07	0.01	-0.01	0	0	1	0.05	0	1.92
80	69.85	77.32	70.29	68.97	85.23	-0.03	0.07	0.01	-0.01	0	0	0.95	0.05	0	1.84
80.5	69.85	77.76	69.41	68.1	84.35	-0.03	0.07	0	-0.01	0	0	0.92	0.04	0	1.8
81	70.29	76.01	69.41	69.41	84.35	-0.03	0.06	0.01	-0.01	0	0	0.88	0.04	0	1.68
81.5	70.29	77.32	69.41	68.97	84.79	-0.03	0.07	0.01	-0.01	0	0	0.81	0.04	0	1.68
82	70.73	76.88	69.85	68.53	84.79	-0.03	0.07	0.01	-0.01	0	0	0.78	0.03	0	1.64
82.5	69.85	76.88	69.41	68.1	84.79	-0.03	0.06	0.01	-0.01	0	0	0.73	0.03	0	1.56
83	70.29	76.01	69.41	68.97	84.35	-0.04	0.07	0.01	-0.01	0	0	0.7	0.03	0	1.52
83.5	69.85	77.32	68.1	68.1	84.79	-0.02	0.06	0.01	-0.01	0	0	0.68	0.03	0	1.48
84	70.29	76.01	69.41	68.53	85.23	-0.02	0.06	0	-0.01	0	0	0.64	0.05	0	1.44
84.5	69.85	76.88	67.66	68.97	84.35	-0.02	0.06	0.01	-0.01	0	0	0.62	0.05	0	1.32
85	69.41	77.32	69.41	68.97	84.35	-0.02	0.06	0.01	-0.01	0	0	0.58	0.05	0	1.2
85.5	69.85	76.44	68.1	68.53	84.35	-0.03	0.06	0	-0.01	0	0	0.56	0.03	0	1.2
86	70.73	76.44	68.53	68.53	84.35	-0.02	0.05	0	-0.01	0	0	0.54	0.03	0	1.2
86.5	70.29	76.01	67.66	68.97	85.67	-0.03	0.06	0.01	-0.01	0	0	0.51	0.03	0	1.12
87	68.97	76.88	68.53	69.41	84.35	-0.02	0.06	0	-0.01	0	0	0.48	0.03	0	1.08
87.5	69.85	75.57	68.1	69.41	84.79	-0.03	0.06	0.01	0	0	0	0.47	0.02	0	1.08
88	69.41	76.88	68.1	68.53	84.35	-0.03	0.06	0.01	-0.01	0	0	0.44	0.02	0	1.04
88.5	69.41	75.57	67.22	68.97	84.35	-0.04	0.07	0.01	0	0	0	0.43	0.02	0	1
89	70.29	75.57	68.1	69.41	84.79	-0.03	0.06	0.01	-0.01	0	0	0.41	0.02	0	0.92
89.5	70.29	76.44	68.53	68.97	84.79	-0.02	0.06	0.01	-0.01	0	0	0.39	0.02	0	0.96
90	69.41	76.01	68.1	68.53	83.92	-0.02	0.06	0	-0.01	0	0	0.37	0.02	0	0.88
90.5	70.29	76.44	67.66	70.29	84.35	-0.03	0.06	0	0	0	0	0.36	0.01	0	0.84
91	70.73	76.01	67.66	69.41	84.79	-0.03	0.06	0.01	-0.01	0	0	0.35	0.02	0	0.88
91.5	69.85	76.01	68.1	69.85	84.35	-0.03	0.06	0	-0.01	0	0	0.33	0.02	0	0.8
92	69.85	76.01	67.66	68.53	83.92	-0.03	0.06	0.01	-0.01	0	0	0.32	0.01	0	0.8
92.5	69.41	76.44	68.1	68.97	84.35	-0.03	0.07	0	-0.01	0	0	0.3	0.02	0	0.8
93	69.41	76.01	68.53	69.41	84.79	-0.04	0.06	0.01	-0.01	0	0	0.3	0.01	0	0.76
93.5	69.85	76.88	66.78	68.53	84.35	-0.03	0.07	0	0	0	0	0.28	0.01	0	0.72
94	69.85	76.01	67.22	68.97	83.92	-0.02	0.06	0	-0.01	0	0	0.27	0.01	0	0.72
94.5	69.85	76.44	68.1	68.53	84.79	-0.03	0.06	0	-0.01	0	0	0.27	0.01	0	0.68
95	69.41	76.01	66.78	68.53	85.23	-0.04	0.07	0.01	-0.01	0	0	0.25	0.01	0	0.68
95.5	69.41	76.44	67.66	68.97	84.35	-0.03	0.06	0.01	-0.01	0	0	0.25	0.01	0	0.68
96	69.41	76.88	67.66	68.53	84.35	-0.03	0.06	0	0	0	0	0.23	0.02	0	0.64
96.5	69.85	75.57	67.22	68.53	84.35	-0.02	0.06	0	-0.01	0	0	0.23	0.01	0	0.64
97	69.85	76.44	67.22	68.97	84.35	-0.02	0.06	0	-0.01	0	0	0.22	0.01	0	0.64
97.5	68.97	76.01	68.1	68.97	84.79	-0.03	0.07	0.01	-0.01	0	0	0.21	0.01	0	0.6
98	68.97	76.01	67.22	69.41	84.79	-0.02	0.06	0	0	0	0	0.2	0.01	0	0.6
98.5	69.41	75.57	67.66	68.1	84.35	-0.03	0.06	0.01	-0.01	0	0	0.19	0.01	0	0.6
99	69.85	75.57	66.78	69.41	84.35	-0.01	0.04	0	-0.01	0	0	0.18	0.01	0	0.6
99.5	68.53	76.88	66.78	68.97	84.35	-0.02	0.06	0.01	0	0	0	0.18	0.01	0	0.6
100	69.85	74.69	66.78	68.97	84.35	-0.02	0.06	0.01	-0.01	0	0	0.17	0.01	0	0.6
100.5	69.41	75.13	65.9	69.41	84.35	-0.02	0.05	0.01	-0.01	0	0	0.16	0.01	0	0.56
101	69.85	75.57	67.22	68.1	84.35	-0.02	0.06	0.02	-0.01	0	0	0.16	0.01	0	0.56
101.5	69.85	75.57	66.34	68.53	84.35	-0.03	0.06	0	0	0	0	0.15	0.01	0	0.56
102	69.41	74.69	67.22	68.97	84.79	-0.02	0.06	0	-0.01	0	0	0.14	0.01	0	0.56
102.5	69.85	75.57	66.78	68.97	84.35	-0.03	0.07	0.01	0	0	0	0.14	0.01	0	0.56
103	69.41	75.57	67.22	69.41	84.35	-0.03	0.06	0	-0.01	0	0	0.13	0.01	0	0.52
103.5	68.97	76.44	67.22	68.97	84.35	-0.02	0.05	0.02	-0.01	0	0	0.12	0.01	0	0.56
104	68.97	76.01	67.22	69.41	84.35	-0.01	0.05	0.01	-0.01	0	0	0.12	0.02	0	0.52
104.5	68.97	76.01	67.66	68.97	84.35	-0.01	0.05	0.01	-0.01	0	0	0.11	0.01	0	0.52
105	69.41	75.13	67.22	68.53	83.92	-0.02	0.04	0.01	-0.01	0	0	0.1	0.01	0	0.52

105.5	69.41	76.01	68.1	68.1	84.35	-0.01	0.04	0	-0.01	0	0	0.1	0.01	0	0.52
106	69.85	75.13	67.66	69.41	83.92	-0.01	0.05	0.01	0	0	0	0.1	0.02	0	0.52
106.5	69.85	75.57	68.53	68.97	84.79	-0.03	0.05	0.01	-0.01	0	0	0.1	0.01	0	0.52
107	70.29	75.57	66.78	69.85	84.35	-0.02	0.05	0.01	-0.01	0	0	0.1	0.01	0	0.52
107.5	69.41	75.57	68.1	69.41	83.92	-0.02	0.05	0	-0.01	0	0	0.1	0.01	0	0.48
108	68.97	75.13	68.53	69.41	84.35	-0.03	0.06	0	0	0	0	0.1	0.01	0	0.48
108.5	69.41	76.44	66.78	68.1	83.48	-0.03	0.07	0	0	0	0	0.09	0.01	0	0.48
109	69.85	74.25	68.53	68.53	83.92	-0.03	0.07	0.01	-0.01	0	0	0.09	0.01	0	0.48
109.5	69.41	76.88	68.53	68.1	84.35	-0.03	0.06	0.01	0	0	0	0.08	0	0	0.48
110	69.41	76.01	67.66	67.66	84.35	-0.03	0.07	0.01	-0.01	0	0	0.08	0	0	0.48
110.5	69.41	75.57	66.34	68.53	84.79	-0.02	0.06	0	0	0	0	0.08	0	0	0.48
111	69.85	76.44	66.78	68.1	84.35	-0.03	0.06	0.01	0	0	0	0.08	0	0	0.48
111.5	69.41	76.44	68.1	69.41	84.79	-0.03	0.06	0.01	-0.01	0	0	0.07	0	0	0.48

FILE A:TEST6.PRN

No.Chan. 15

DATE 05-23-1988

Before Pr 8.75

Preheat T 1.25

L/L TIME 1

M/H Time 2

H/H Time 6

Second M/ 2

Second L/ 19

TIME	1	2	3	4	5	11	12	13	16	17	18	19	20	21	22
MIN.	TEMP1	TEMP2	TEMP3	TEMP4	TEMP5	PRES1	PRES2	PRES3	IRLED1	IRLED2	IRLED3	IRLED4	IRLED5	IRLED6	IRLED7
0	68.53	77.32	70.73	68.53	84.35	0.04	-0.01	0.01	0	0	0	NU	0	0	0
0.5	68.97	77.76	72.05	68.53	84.35	0.03	0	0	0	0	0	0	0	0	0
1	68.53	76.44	71.61	69.41	84.35	0.05	-0.01	0.01	0	0	0	0	0	0	0
1.5	68.97	77.32	70.73	69.41	84.35	0.04	-0.01	0	0	0	0	0	0	0	0
2	68.1	76.88	71.17	68.1	84.35	0.04	-0.01	0.01	0	0	0	0	0.01	0	0
2.5	69.41	77.32	71.61	68.1	84.35	0.03	0	0	0	0	0	0	0	0	0
3	68.97	77.76	70.73	68.1	84.35	0.03	0	0.01	0	0	0	0	0	0	0
3.5	68.53	76.88	70.29	68.53	84.79	0.03	0	0	0	0	0	0	0	0	0
4	68.97	77.32	72.49	68.53	86.55	0.03	-0.01	0	0	0	0	0	0	0	0
4.5	68.97	76.88	69.85	68.1	84.35	0.03	-0.01	0	0	0	0	0	0	0	0
5	68.53	77.32	71.17	68.97	84.79	0.04	-0.01	0.01	0	0	0	0	0	0	0
5.5	68.53	77.76	72.05	68.1	84.79	0.03	0	0	0	0	0	0	0	0	0
6	68.53	77.76	71.17	68.53	84.35	0.04	0	0.01	0	0	0	0	0	0	0
6.5	68.53	76.44	71.17	69.41	84.35	0.04	0	0	0	0	0	0	0	0	0
7	67.66	76.44	71.61	68.53	83.92	0.04	-0.01	0.01	0	0	0	0	0	0	0
7.5	69.41	76.88	72.05	68.97	83.92	0.04	-0.01	0.01	0	0	0	0	0.01	0	0
8	68.53	77.32	71.17	68.53	84.35	0.04	0	0.01	0	0	0	0	0.01	0	0
8.5	68.97	77.76	71.61	68.1	84.35	0.03	0	0	0	0	0	0	0.01	0	0
9	69.41	77.32	70.73	68.97	83.92	0.04	-0.01	0	0	0	0	0	0.01	0	0
9.5	67.66	77.32	70.73	68.53	84.79	0.04	-0.01	0.01	0	0	0	0	0.01	0	2.16
10	68.53	77.76	72.05	69.85	84.35	0.04	0	0	0	0	0	0	0.01	0	0.92
10.5	67.66	77.32	71.61	68.53	84.35	0.05	0.55	1.11	0	0	0	0	0.01	0	1.2
11	68.53	77.32	70.73	68.53	84.35	0.04	1.13	1.15	0	0	0	0	0.01	0	1.8
11.5	67.22	77.32	72.49	68.1	84.35	0.06	1.31	1.8	0	0	0	0	0.01	0	2.72
12	67.66	77.32	71.61	68.1	84.35	0.08	1.74	1.82	0	0	0	0	0.01	0	4.64
12.5	67.22	77.32	70.73	68.97	84.35	0.07	1.99	1.82	0	0	0	0	0.01	0	5.72
13	68.78	77.32	71.61	68.97	83.92	0.05	1.89	1.78	0	0	0.01	0	0.01	0	8.64
13.5	67.66	78.2	71.17	68.97	85.67	0.08	2.06	2.28	0	0	0	0.02	0.01	0	7.52
14	67.66	77.32	72.05	68.53	84.79	0.08	1.97	2.26	0	0	0	0.16	0.01	0	7.36
14.5	67.22	76.64	71.61	68.1	84.35	0.06	1.82	2.23	0	0	0	0.37	0.01	0	8.16
15	67.66	77.76	72.05	68.1	84.35	0.07	1.74	2.3	0	0	0	0.41	0.01	0	7.64
15.5	67.22	76.64	71.61	68.97	84.35	0.07	1.81	2.28	0	0	0	1.17	0.01	0	7.48
16	67.66	77.32	71.61	68.53	84.35	0.05	2.02	2.28	0	0	0	2.09	0.01	0	9.48
16.5	67.66	77.32	72.05	68.1	84.35	0.09	1.81	2.3	0	0	0	2.65	0.01	0	9.44
17	67.22	77.32	71.61	68.53	84.79	0.06	1.88	2.28	0	0	0	2.9	0.01	0	7.88
17.5	68.78	76.44	72.05	68.97	84.35	0.05	2.19	2.3	0	0	0	3.32	0.03	0	9.2
18	68.1	77.32	70.73	68.1	84.79	0.07	2.01	2.24	0	0	0	3.44	0.01	0	9.28
18.5	67.66	77.76	72.93	68.97	84.79	0.06	1.78	2.26	0	0	0	3.4	0.03	0	9.32
19	68.34	77.32	72.93	68.1	84.79	0.06	1.87	2.25	0	0	0	3.44	0.02	0	7.76
19.5	65.9	76.88	71.61	68.97	84.35	0.04	1.6	1.76	0	0	0	3.48	0.03	0.01	10.4
20	67.66	78.2	71.17	68.53	84.79	0.04	1.51	1.78	0	0	0	3.48	0.03	0	10.36
20.5	67.66	78.2	72.05	68.97	84.79	0.06	1.68	1.77	0	0	0	3.48	0.04	0.01	11.64
21	67.66	76.88	72.05	68.1	84.79	0.06	1.89	1.79	0	0	0	3.53	0.06	0	9.44

21.5	68.1	77.76	71.61	69.41	84.79	0.04	0.71	1.14	0	0	0	3.48	0.06	0.01	12.36
22	67.22	78.64	72.93	68.53	85.23	0.03	1.42	1.11	0	0	0	3.48	0.07	0.01	12.12
22.5	67.22	77.32	72.49	68.1	84.79	0.05	0.73	1.06	0	0	0	3.48	0.09	0.01	11.88
23	68.1	78.64	72.05	68.53	84.79	0.05	1.43	1.13	0	0	0	3.48	0.09	0.01	11
23.5	66.78	77.76	73.37	68.53	84.35	0.03	1.35	1.13	0	0	0	3.48	0.13	0.01	11.32
24	67.22	79.08	72.49	68.1	84.79	0.04	0.97	1.07	0	0	0	3.44	0.14	0.01	12.48
24.5	66.78	78.2	71.61	68.97	85.23	0.05	1.13	1.08	0	0	0	3.53	0.15	0.01	11.44
25	67.22	77.76	72.05	68.97	84.79	0.05	0.65	1.17	0	0	0	3.48	0.21	0.01	9.8
25.5	67.66	78.64	71.61	68.97	84.79	0.07	0.59	1.09	0	0	0	3.4	0.19	0.01	10.28
26	66.78	79.08	71.17	70.29	84.79	0.04	0.67	1.11	0	0	0	3.4	0.23	0.01	10.96
26.5	67.22	77.76	72.05	69.41	84.35	0.04	0.82	1.11	0	0	0	3.48	0.22	0.01	10.04
27	67.66	78.2	72.05	68.1	84.79	0.05	0.73	1.12	0	0	0	3.53	0.25	0.02	9.72
27.5	67.66	78.64	72.49	68.53	85.23	0.07	1.54	1.11	0	0	0	3.44	0.31	0.02	10.76
28	67.22	78.64	72.49	68.53	85.23	0.04	0.91	1.1	0	0	0	3.48	0.29	0.01	9.76
28.5	66.34	78.64	72.49	69.41	85.23	0.04	1.48	1.13	0	0	0	3.48	0.32	0.01	10.8
29	66.78	78.2	72.05	68.1	84.79	0.06	1.1	1.12	0	0	0	3.48	0.35	0.02	9.56
29.5	66.78	79.52	71.61	68.97	85.23	0.04	0.83	1.11	0	0	0	3.44	0.35	0.01	10.92
30	68.1	77.76	71.61	68.1	84.79	0.05	1.42	1.1	0	0	0	3.44	0.37	0.02	9.16
30.5	66.78	78.64	72.05	68.97	85.23	0.04	1.36	1.07	0	0	0	3.48	0.31	0.02	9.12
31	66.78	78.2	73.37	67.66	85.23	0.05	0.81	1.06	0	0	0	3.48	0.46	0.01	10.8
31.5	66.34	79.08	72.93	68.53	84.79	0.05	0.83	1.15	0	0	0	3.48	0.46	0.02	9.56
32	66.78	79.08	72.05	69.41	86.11	0.03	1.37	1.11	0	0	0	3.48	0.5	0.02	10.4
32.5	67.66	79.08	72.05	68.97	85.23	0.04	0.84	1.1	0	0	0	3.44	0.53	0.02	9.64
33	67.22	79.08	72.05	68.1	84.35	0.02	1	1.1	0	0	0	3.53	0.51	0.02	9.88
33.5	67.66	79.96	72.05	68.1	84.79	0.03	0.82	1.13	0	0	0	3.53	0.53	0.02	12.64
34	67.22	78.2	72.49	68.53	84.35	0.05	0.64	1.11	0	0	0	3.53	0.55	0.01	9.48
34.5	66.78	79.08	72.49	68.53	84.35	0.03	0.79	1.14	0	0	0	3.53	0.54	0.01	10
35	67.22	79.52	72.93	68.97	84.79	0.03	1.49	1.09	0	0	0	3.53	0.53	0.01	10.56
35.5	67.66	78.64	71.17	68.53	84.79	0.04	1.32	1.12	0	0	0	3.44	0.56	0.01	10.8
36	67.22	79.52	72.93	67.66	84.79	0.06	1.18	1.1	0	0	0	3.53	0.54	0.02	9.36
36.5	67.22	77.32	72.49	68.53	85.23	0.04	1.07	1.13	0	-0.01	0	3.48	0.57	0.01	9.64
37	67.22	78.64	72.49	68.53	85.23	0.04	1.05	1.07	0	0	0	3.44	0.6	0.01	9.84
37.5	66.78	79.52	72.93	68.53	85.23	0.04	1.51	1.13	0	0	0	3.48	0.57	0.01	11
38	67.66	79.08	72.49	68.53	85.23	0.04	1.21	1.12	0	0	0.03	3.53	0.61	0.01	10.6
38.5	67.66	79.52	72.49	67.66	85.23	0.02	1.47	1.1	0	0	0	3.53	0.58	0.02	8.8
39	67.66	79.08	72.05	68.1	85.23	0.05	1.38	1.11	0	-0.01	0	3.48	0.59	0.01	9.28
39.5	67.22	79.52	73.37	68.1	85.23	0.03	0.81	1.1	0	0	0	3.44	0.6	0.01	10.92
40	66.78	77.32	73.37	68.53	85.23	0.03	0.53	1.08	0	0	0	3.44	0.63	0.01	9.8
40.5	67.66	78.64	71.61	68.53	85.67	0.04	0.08	0.08	0	0	0	3.44	0.63	0.01	10.24
41	67.22	80.4	72.93	68.1	85.23	0.03	0	0.01	0	0	0	3.53	0.68	0.01	9.6
41.5	66.78	79.96	72.93	68.1	84.79	0.02	0.01	0.01	0	0	0	3.58	0.68	0.01	10.68
42	66.78	78.64	72.05	67.66	84.79	0.03	0	0	0	0	0	3.48	0.65	0.02	9.36
42.5	66.78	79.96	72.05	68.1	84.79	0.03	0	0.01	0	0	0	3.58	0.68	0.01	7.16
43	67.66	79.08	72.05	69.41	85.23	0.03	0.01	0.01	0	0	0	3.48	0.69	0.01	6.56
43.5	67.22	78.64	72.49	68.1	85.23	0.03	0	0	0	0	0	3.48	0.71	0.01	6.56
44	66.78	79.08	73.37	68.97	84.79	0.03	0	0.01	0	0	0	3.48	0.69	0.01	5.76
44.5	66.78	79.52	72.93	68.53	84.79	0.03	0	0	0	0	0	3.44	0.71	0.01	5.56
45	67.66	79.52	72.49	68.53	84.79	0.03	0	0.01	0	0	0	3.53	0.7	0.01	5.24
45.5	66.78	79.96	72.05	68.1	84.35	0.03	0	0.01	0	0	0	3.48	0.75	0.01	4.52
46	66.78	79.96	74.25	68.1	84.79	0.03	0	0.01	0	0	0	3.53	0.69	0.01	5.08
46.5	67.22	79.08	74.25	68.1	85.67	0.06	-0.03	0	0	-0.01	0	3.53	0.55	0.01	4.84
47	67.22	80.4	72.49	68.1	84.79	0.32	-0.28	0.01	0	0	0.01	3.53	0.59	0.02	5.12
47.5	67.66	79.96	73.81	68.1	84.79	0.13	-0.1	0.01	0.01	0	0	3.58	0.39	0.02	4.84
48	67.22	79.96	73.37	67.66	85.23	0.28	-0.22	0.02	0.01	0	0.01	3.53	0.28	0.02	4.76
48.5	67.22	79.52	73.81	68.53	84.79	0.32	-0.27	0.01	0.01	-0.01	0.01	3.48	0.2	0.02	4.6
49	67.66	79.52	73.81	68.1	87.87	0.1	-0.07	0.01	0.02	0	0.01	3.4	0.15	0.02	4.92

49.5	69.41	79.08	72.93	68.1	84.79	0.08	-0.04	0.01	0.01	0	0.01	3.44	0.1	0.02	4.48
50	68.1	78.64	72.93	68.1	84.79	0.07	-0.04	0.01	0	0	0.01	3.44	0.09	0.02	4.48
50.5	68.97	78.64	73.81	68.97	85.67	0.08	-0.03	0	0	-0.01	0.01	3.36	0.08	0.02	4.44
51	68.53	79.08	72.05	68.53	84.35	0.06	-0.03	0.01	0	0	0.01	3.32	0.06	0.03	4.32
51.5	68.53	78.64	72.49	68.53	84.79	0.07	-0.03	0	0	0	0.01	3.19	0.06	0.03	4.24
52	68.1	78.64	72.49	68.53	84.79	0.03	-0.02	0	0	0	0.01	3.19	0.05	0.03	3.96
52.5	68.53	76.88	74.25	68.97	84.35	0.06	-0.03	0.01	0	0	0	3.11	0.04	0.03	3.88
53	69.41	76.88	72.05	67.66	84.79	0.29	-0.24	0.01	0	0	0	2.68	0.05	0.02	3.44
53.5	68.97	77.76	72.49	68.53	84.35	0.3	-0.26	0.02	0	0	0	2.8	0.05	0.04	3.48
54	69.41	77.32	72.05	68.1	84.35	0.3	-0.27	0.02	0.01	0	0.01	2.52	0.07	0.04	2.52
54.5	70.29	77.32	71.61	68.1	84.35	0.3	-0.26	0.01	0.02	0	0.01	2.34	0.77	0.05	2.52
55	69.85	77.76	70.73	67.66	84.79	0.21	-0.17	0.01	0.01	0.01	0.01	2.01	0.94	0.05	2.28
55.5	69.41	77.76	71.61	68.97	84.79	0.3	-0.26	0.01	0.01	0.01	0	1.7	1.12	0.06	2.64
56	69.85	76.44	71.61	68.97	84.35	0.3	-0.26	0.01	0.01	0.01	0.01	1.42	1.15	0.06	2.44
56.5	68.97	77.32	69.85	68.53	84.35	0.26	-0.22	0.02	0.01	0.01	0	1.25	1.13	0.05	1.96
57	70.73	76.44	68.97	68.1	84.79	0.23	-0.2	0.01	0	0.01	0.01	1.07	0.97	0.05	2.04
57.5	70.29	76.44	69.85	68.1	83.92	0.25	-0.21	0.02	0	0	0.01	0.93	0.98	0.05	2.08
58	70.73	77.76	70.73	68.97	83.92	0.28	-0.24	0.01	0	0	0	0.8	0.93	0.05	1.92
58.5	70.29	76.44	70.73	68.97	84.35	0.22	-0.17	0.01	0	0	0.01	0.7	0.89	0.05	1.88
59	69.85	76.01	70.29	68.97	84.35	0.22	-0.19	0.01	0	0	0.01	0.6	0.83	0.06	1.84
59.5	69.41	76.44	69.85	68.53	84.35	0.23	-0.19	0.01	0	0	0.01	0.53	0.77	0.07	1.76
60	70.73	76.01	70.29	68.1	84.35	0.23	-0.19	0.01	0	0	0	0.47	0.73	0.06	1.68
60.5	69.85	76.88	69.85	68.53	84.79	0.24	-0.2	0.01	0	0	0.01	0.41	0.69	0.06	1.52
61	70.29	76.88	69.85	67.66	84.79	0.22	-0.18	0.01	0	0	0.01	0.36	0.7	0.07	1.56
61.5	70.73	76.88	70.73	68.1	84.35	0.23	-0.19	0.01	0	0	0.01	0.31	0.63	0.07	1.32
62	69.85	76.44	69.41	68.1	83.92	0.22	-0.18	0.01	0	0	0.01	0.28	0.6	0.07	1.28
62.5	69.85	76.44	70.73	68.1	83.92	0.22	-0.18	0.01	0	0	0.01	0.25	0.54	0.07	1.28
63	70.29	76.44	68.97	68.1	84.35	0.22	-0.19	0.01	0	0	0	0.22	0.5	0.07	1.16
63.5	69.85	77.32	69.41	67.66	83.92	0.22	-0.2	0.01	0	0	0	0.2	0.48	0.07	1.04
64	70.73	76.44	69.85	67.66	83.92	0.22	-0.19	0	0	0	0	0.18	0.43	0.07	1.08
64.5	71.17	75.57	68.97	67.66	84.35	0.23	-0.19	0.02	0	0	0.01	0.16	0.4	0.07	0.92
65	70.29	76.44	68.97	68.53	84.35	0.2	-0.16	0.01	0	0	0	0.14	0.38	0.07	1
65.5	69.85	75.57	68.53	68.1	84.35	0.2	-0.16	0.01	0	0	0	0.12	0.36	0.06	0.96
66	69.85	75.57	70.73	67.66	84.35	0.19	-0.15	0.01	0	0	0	0.11	0.34	0.06	0.88
66.5	70.73	75.13	68.53	68.1	84.35	0.2	-0.16	0.01	0	0	0	0.1	0.32	0.06	0.88
67	69.41	76.44	69.85	68.1	84.35	0.2	-0.17	0.01	0	0	0	0.09	0.3	0.06	0.84
67.5	69.85	76.44	68.97	68.53	84.79	0.2	-0.17	0.01	0	0	0	0.08	0.27	0.06	0.76
68	70.29	76.44	68.97	68.53	84.35	0.21	-0.17	0	0	0	0	0.07	0.26	0.06	0.8
68.5	69.85	76.44	69.41	67.66	84.35	0.2	-0.17	0.02	0	0	0	0.06	0.23	0.06	0.76
69	70.29	76.01	68.53	68.1	85.23	0.21	-0.17	0.01	0	0	0	0.05	0.23	0.06	0.72
69.5	69.85	76.44	68.53	68.1	84.79	0.22	-0.18	0.01	0	0	0	0.05	0.21	0.06	0.72
70	69.85	76.01	70.29	68.53	84.35	0.22	-0.18	0	0	0	0	0.04	0.19	0.06	0.72
70.5	69.41	75.57	68.53	68.97	84.79	0.22	-0.18	0.01	0	0	0	0.04	0.19	0.05	0.64
71	68.97	76.44	68.53	68.97	85.23	0.22	-0.18	0.01	0	0	0	0.03	0.16	0.06	0.54
71.5	69.85	76.44	67.66	67.66	84.35	0.22	-0.18	0.01	0	0	0	0.03	0.16	0.06	0.6
72	70.29	76.88	68.53	68.53	84.79	0.21	-0.18	0.01	0	0	0	0.02	0.15	0.05	0.6
72.5	70.73	75.57	68.97	68.53	84.35	0.22	-0.18	0.01	0	0	0	0.02	0.14	0.05	0.56
73	69.41	75.13	68.97	68.97	84.79	0.22	-0.18	0.01	0	0	0	0.01	0.13	0.05	0.56
73.5	70.29	76.01	67.66	68.1	84.79	0.23	-0.17	0.01	0	0	0	0.01	0.13	0.05	0.56
74	69.85	76.01	69.41	68.1	84.79	0.22	-0.18	0.01	0	0	0	0.01	0.11	0.05	0.52
74.5	69.85	76.88	68.53	68.53	84.79	0.22	-0.18	0.01	0	0	0	0	0.1	0.05	0.52
75	68.97	76.44	68.97	67.66	84.35	0.12	-0.09	0.02	0	0	0	0	0.1	0.05	0.52
75.5	69.85	76.01	68.97	68.97	84.35	0.21	-0.17	0	0	0	0	0	0.06	0.05	0.48
76	69.41	75.13	68.53	68.1	84.35	0.2	-0.16	0.01	0	0	0	0	0.08	0.04	0.48
76.5	68.97	75.57	69.41	68.53	83.48	0.2	-0.16	0	0	0	0	0	0.06	0.05	0.44
77	69.41	76.01	68.1	68.53	84.79	0.19	-0.15	0.01	0	0	0	0	0.07	0.05	0.44
77.5	69.85	75.13	68.97	68.97	84.35	0.19	-0.17	0	0	0	0	0	0.07	0.04	0.44

LOCATION OF SENSORS, SCZ 3-1, LOW TEST NO. 7-8

AIR TEMP- TEMP FLOWMETER

TEMP1- TEMP 1ST.P.135

TEMP2- TEMP 2DK.P-115

TEMP3- TEMP 2DK.DRE.AREA-116

AIR P- PRESSURE FLOWMETER INLET

AIR DP- DIFFERENTIAL PRESSURE ACROSS FLOWMETER INLET AND OUTLET

RM P- PRESSURE RELEASE SPACE (1PL.RECL)

IRLED1- LASER 1ST.P.SAN.SPACE

IRLED2- LASER 1ST.P.135

IRLED3- LASER 2DK.P-115

IRLED4- LASER 2DK.120

IRLED5- LASER 2DK.REC.L.104

IRLED6- LASER 2DK.DRE.AREA-116

IRLED7- LASER 1PL.RECL



FILE A TEST7.PRS

No Chan 14

DATE 05-24-1986

Before Pr 8 75

Preheat T 1 25

L/L TIME 1

M/E Time 3

H/E Time 10

Second M/ 3

Second L/ 13

TIME	4	3	2	12	13	11	16	17	18	19	20	21	22	
MIN	AIR TEMP	TEMP1	TEMP2	TEMP3	AIR P	AIR DP	RM P	IRLED1	IRLED2	IRLED3	IRLED4	IRLED5	IRLED6	IRLED7
0	71.61	72.49	72.93	76.01	0.94	-0.02	-0.15	0	0	0	0	0	0	0
0.5	71.61	72.93	73.37	76.01	0	0	0.02	0	0	0	0	0	0	0
1	71.61	72.49	73.37	76.01	0	0	0.03	0	0	0	0	0	0	0
1.5	72.05	72.93	73.37	76.44	0	0	0.02	0	0	0	0	0	0	0
2	71.61	72.93	72.93	76.44	0	0	0.03	0	0	0	0	0	0	0
2.5	71.61	72.93	73.81	76.01	0	-0.01	0.02	0	0	0	0	0	0	0
3	71.17	72.93	73.37	76.44	0	0	-0.01	0	0	0	0	0	0	0
3.5	71.61	72.49	73.81	76.01	0	0	0.02	0	0	0	0	0	0	0
4	71.17	72.93	73.37	76.01	0	0	0.02	0	0	0	0	0	0	0
4.5	72.05	72.49	73.37	76.01	0	0	0.02	0	0	0	0	0	0	0
5	71.61	72.49	73.37	76.01	0	0	0.02	0	0	0	0	0	0	0
5.5	71.61	72.49	73.81	76.44	0	0	0.02	0	0	0	0	0	0	0
6	71.61	72.93	73.37	76.01	0	0	0.03	0	0	0	0	0	0	0
6.5	72.05	72.93	73.37	76.01	0	0	0.02	0	0	0	0	0	0	0
7	72.05	72.93	73.37	76.01	0	-0.01	0.02	0	0	0	0	0	0	0
7.5	72.05	72.93	72.93	76.44	0.01	0	0.03	0	0	0	0	0	0	0
8	71.61	72.49	73.37	76.44	0	0	0.03	0	0	0	0	0	0	0
8.5	71.61	72.93	73.37	76.01	0	0	0.03	0	0	0	0	0	0	0
9	71.61	72.93	73.37	76.44	0	0	0.02	0	0	0	0	0	0	0
9.5	72.05	72.49	73.37	76.01	0	-0.01	0.02	0	0	0	0	0	0	0
10	72.05	72.05	73.37	76.44	0	0	0.02	0	0	0	0	0	0	0
10.5	71.17	72.93	72.93	76.44	0.73	0.85	0.02	0	0	0	0	0	0	0
11	72.05	72.93	73.37	76.44	0.88	0.85	0.02	0	0	0	0	0	0	0
11.5	72.49	72.93	72.93	76.44	1.21	1.27	0.02	0	0	0	0.01	0	0	0
12	72.49	72.93	73.37	76.44	1.31	1.31	-0.01	0	0	0	0.01	0	0	-0.5
12.5	72.93	72.93	72.93	76.44	1.99	1.3	0	0	0	0	0	0	0	0
13	73.37	72.49	73.37	76.01	1.3	1.34	0.02	0	0	0	0	0	0	0
13.5	73.37	72.49	73.37	76.01	1.13	1.37	0.03	0.05	0	0	0.01	0	0	0
14	73.81	72.93	73.37	76.44	1.15	1.37	-0.01	0.15	0	0	0.01	0	0	0
14.5	73.81	72.93	73.37	76.01	1.42	1.41	0.04	0.24	0	0	0.01	0	0	0
15	74.25	72.93	73.37	75.57	1.48	1.75	0.03	0.27	0	0	0.05	0	0	0
15.5	74.25	72.49	73.37	76.01	1.5	1.83	0.02	0.28	0	0	0.05	0.01	0	-0.5
16	74.69	72.93	72.49	76.44	1.26	1.37	0.03	0.33	0	0	0.02	0.01	0.01	0
16.5	71.61	72.93	72.93	76.01	1.34	1.34	0.03	0.61	0.01	0.01	0.07	0.01	0.01	0
17	74.69	72.93	72.93	76.01	1.42	1.4	0.03	0.62	0	0.01	0.13	0.01	0.02	0
17.5	74.69	72.93	72.93	76.44	1.35	1.46	0.03	0.64	0.02	0.01	0.21	0.01	0.01	0
18	74.69	72.93	73.37	76.44	1.53	1.46	0.02	0.69	0.01	0.04	0.23	0.01	0.02	0
18.5	75.13	73.37	73.37	76.01	1.31	1.47	0.03	0.84	0	0.06	0.36	0.04	0.01	0
19	75.13	72.93	73.37	76.44	1.48	1.5	0.07	1.15	0.01	0.08	0.2	0.03	0.03	0
19.5	74.69	72.93	72.93	76.01	1.22	1.48	0.01	1.49	0.04	0.08	0.47	0.02	0.05	0
20	75.13	72.93	72.93	76.01	1.26	1.48	0.03	1.15	0.02	0	0.52	0.03	0.03	0
20.5	75.13	72.93	73.37	76.44	1.29	1.48	0.03	1.44	0	0.12	0.37	0.05	0.04	0
21	75.13	73.37	73.37	76.01	1.38	1.51	0.02	1.1	0.05	0.16	0.36	0.1	0.02	0.8

21.5	75.13	72.93	73.37	76.01	1.33	1.44	0.03	1.18	0.09	0.12	0.47	0.11	0.06	0
22	75.13	72.93	73.37	76.44	1.36	1.53	-0.09	1.55	0.07	0.17	0.46	0.15	0.09	0
22.5	75.13	72.93	73.37	75.57	1.33	1.55	0.03	1.72	0.04	0.23	0.59	0.17	0.11	0
23	75.13	73.37	73.37	76.01	1.38	1.52	0.03	1.72	0.11	0.28	0.47	0.2	0.06	0
23.5	75.57	72.93	73.81	76.01	1.23	1.51	0.02	1.88	0.1	0.31	0.68	0.15	0.11	0
24	75.57	73.37	73.37	76.01	1.44	1.43	0.04	2.44	0.16	0.35	0.72	0.19	0.15	0
24.5	75.57	72.93	73.81	76.44	1.39	1.27	0.03	2.12	0.18	0.29	0.7	0.2	0.11	0
25	75.13	72.93	73.37	76.44	1.22	1.28	0.03	2.58	0.34	0.37	1	0.21	0.15	0
25.5	75.57	72.93	73.37	76.01	1.13	1.33	0.03	2.28	0.34	0.47	1.06	0.25	0.14	0
26	75.57	72.93	73.37	76.01	1.05	1.26	0.03	2.92	0.26	0.52	1.11	0.18	0.16	0
26.5	75.57	73.37	73.37	76.44	1.22	1.33	0.02	2.85	0.57	0.63	1.26	0.23	0.22	0
27	75.57	72.93	73.37	76.01	1.05	1.29	0.03	3.08	0.35	0.62	1.01	0.27	0.22	0
27.5	75.13	72.93	73.37	76.44	1.02	0.85	-0.37	3.29	0.91	0.97	0.89	0.29	0.17	0
28	75.57	72.93	73.37	76.01	0.79	0.86	0.05	3.11	1.14	1.46	0.9	0.29	0.27	0
28.5	75.57	72.93	73.37	76.44	0.79	0.88	0.03	3.29	1.13	1.62	0.98	0.29	0.23	0
29	75.57	72.93	72.93	76.44	0.72	0.87	0.03	3.53	1.2	1.69	0.92	0.32	0.3	0
29.5	76.01	72.93	72.49	76.44	1.01	0.9	0.03	3.53	1.54	1.78	0.9	0.31	0.29	0
30	75.57	72.93	72.93	76.44	1.03	0.89	0.03	3.53	1.86	1.76	1.06	0.37	0.33	0
30.5	75.57	73.37	72.93	76.44	0.77	0.9	0	3.57	1.39	1.79	0.96	0.34	0.42	0
31	75.57	73.37	72.93	76.44	0.86	0.92	0.03	3.63	2.38	1.78	1.04	0.38	0.46	0
31.5	75.57	73.37	72.93	76.44	0.98	0.87	0.02	3.63	1.03	1.84	0.98	0.37	0.49	0
32	75.57	73.37	72.93	75.57	0.71	0.9	0.03	3.57	3.17	1.79	1.09	0.38	0.48	0
32.5	75.57	73.37	72.93	76.01	1.05	0.96	0.03	3.63	2.51	1.84	1.05	0.4	0.56	0
33	75.57	73.37	72.93	76.44	0.89	0.9	0.02	3.75	3.3	1.86	1.19	0.41	0.57	0
33.5	75.57	73.37	72.93	76.44	1.02	0.88	0.03	3.68	3.1	1.83	0.97	0.4	0.57	0
34	75.57	73.37	72.93	76.01	0.9	0.91	0.03	3.68	2.84	1.82	0.95	0.42	0.69	0
34.5	75.13	73.37	72.49	76.44	0.85	0.92	0.02	3.68	2.86	1.99	0.92	0.48	0.74	0
35	75.57	73.37	72.93	75.57	0.79	0.93	0.03	3.68	3.4	2	1.12	0.51	0.44	0
35.5	75.57	73.81	72.93	76.01	0.74	0.93	0.03	3.68	3.67	2.03	1.03	0.5	0.42	0
36	75.57	73.37	72.49	76.44	1.05	0.93	0.02	3.75	3.25	2.05	1.02	0.51	0.42	0
36.5	75.57	73.37	72.93	76.01	0.77	0.9	0.04	3.63	3.59	2.05	1.02	0.51	0.46	0
37	75.57	73.81	72.93	76.01	1.05	0.9	0.03	3.68	3.17	2.1	1.01	0.51	0.42	0
37.5	75.57	73.37	72.49	75.13	1.04	0.92	0.03	3.63	3.59	2.1	0.9	0.51	0.46	0
38	75.13	73.37	72.49	75.57	1.1	0.93	0.03	3.63	3.87	2.14	0.96	0.53	0.52	0
38.5	75.57	73.37	72.93	75.57	0.92	0.92	0.03	3.75	3.59	2.19	1.04	0.56	0.42	0
39	75.57	72.93	72.49	75.57	0.73	0.82	0.03	3.68	3.4	2.16	1.23	0.54	0.43	0
39.5	74.69	72.93	71.61	75.57	0.92	0.84	-0.1	3.63	3.3	2.24	1.1	0.53	0.43	0
40	75.57	72.93	72.49	75.57	0.7	0.8	0.03	3.68	3.4	2.16	0.98	0.54	0.4	0
40.5	75.13	73.37	72.49	75.57	0.05	0.03	-0.25	3.63	3.17	1.78	0.83	0.56	0.44	0
41	75.57	73.37	72.93	76.01	0	0	0.02	3.68	2.91	1.95	0.79	0.56	0.47	0
41.5	75.57	73.37	72.93	76.01	-0.01	0	0.03	3.57	2.44	1.83	0.78	0.57	0.41	0
42	75.13	72.93	72.93	76.01	-0.01	-0.01	0.03	3.63	1.93	1.64	0.72	0.58	0.33	0
42.5	75.57	73.37	72.93	76.44	0	-0.01	0.03	3.44	1.84	1.68	0.67	0.54	0.34	0
43	75.57	72.93	72.93	76.44	-0.01	-0.01	0.02	3.29	1.69	1.77	0.68	0.48	0.33	0
43.5	75.57	73.37	72.49	76.44	-0.01	-0.01	0.03	3.16	2.03	1.76	0.6	0.48	0.33	0
44	75.57	72.93	72.93	76.01	0	-0.01	0.03	3.16	1.8	1.79	0.52	0.48	0.31	0
44.5	75.57	72.93	72.93	76.44	-0.01	0	0.03	3.08	1.69	1.78	0.49	0.44	0.3	0
45	75.13	72.93	72.93	75.57	-0.01	0	0.03	2.94	1.05	1.72	0.45	0.43	0.29	0
45.5	75.57	72.93	72.93	76.01	0	-0.01	0.03	2.92	1.7	1.69	0.42	0.38	0.28	-0.5
46	75.57	73.37	72.93	75.57	-0.01	-0.01	0.03	2.96	1.57	1.66	0.39	0.4	0.27	0
46.5	75.13	72.93	72.49	75.13	0	0	0.01	2.86	1.59	1.63	0.36	0.35	0.25	-0.5
47	75.13	72.93	72.93	75.13	0.01	-0.01	0.01	2.88	1.54	1.61	0.34	0.32	0.23	0
47.5	75.57	73.37	72.93	75.13	-0.01	0	0.02	2.85	1.48	1.58	0.32	0.32	0.22	0
48	75.13	72.93	72.93	75.57	0	0	0.03	2.81	1.34	1.54	0.3	0.28	0.2	0
48.5	75.57	72.93	72.49	74.69	-0.01	-0.01	0.02	2.83	1.45	1.54	0.28	0.28	0.19	0
49	75.13	72.93	72.93	75.13	-0.01	-0.01	0.03	2.71	1.47	1.5	0.27	0.25	0.19	0

49.5	75.57	72.93	72.93	74.69	-0.01	-0.01	0.03	2.74	1.48	1.46	0.25	0.24	0.18	0
50	75.13	72.93	72.93	74.69	-0.01	-0.01	0.03	2.71	1.5	1.44	0.23	0.22	0.16	0
50.5	75.13	72.93	72.49	75.13	-0.01	-0.01	0.03	2.61	1.49	1.4	0.22	0.22	0.15	0
51	75.57	72.93	72.49	74.69	-0.01	0	0.03	2.6	1.41	1.36	0.2	0.2	0.14	0
51.5	75.57	72.93	72.49	74.25	0	-0.01	0.02	2.56	1.46	1.3	0.19	0.18	0.13	0
52	75.57	72.93	72.49	74.25	-0.01	-0.01	0.02	2.5	1.48	1.29	0.18	0.17	0.13	0
52.5	75.57	72.93	72.05	74.69	-0.01	-0.01	0.03	2.47	1.41	1.25	0.17	0.17	0.11	0
53	75.13	72.93	72.49	74.25	-0.01	0	0.03	2.41	1.5	1.21	0.16	0.16	0.11	0
53.5	75.57	72.49	72.05	73.61	0	-0.01	0.03	2.4	1.41	1.19	0.15	0.15	0.11	-0.5
54	75.13	72.93	72.49	74.25	-0.01	0	0.02	2.34	1.42	1.15	0.14	0.14	0.1	0
54.5	75.57	72.93	72.49	74.25	-0.01	-0.01	0.02	2.28	1.43	1.11	0.13	0.13	0.1	0
55	76.01	72.93	72.49	74.25	-0.01	-0.01	0.02	2.29	1.42	1.11	0.13	0.13	0.09	0
55.5	75.13	72.93	72.05	73.61	0	-0.01	0.03	2.18	1.33	1.06	0.12	0.12	0.09	0
56	75.57	72.93	72.05	73.61	-0.01	0	0.03	2.21	1.29	1.04	0.11	0.11	0.08	0
56.5	75.13	72.93	72.05	74.25	-0.01	0	0.02	2.13	1.34	1.02	0.11	0.11	0.08	0
57	75.13	72.93	72.05	74.25	0	0	0.02	2.11	1.35	0.99	0.1	0.1	0.07	0
57.5	75.13	72.93	72.05	74.25	-0.01	-0.01	0.03	2.08	1.3	0.97	0.09	0.09	0.07	0
58	75.13	72.93	72.05	73.61	-0.01	-0.01	0.02	2.03	1.3	0.92	0.09	0.09	0.06	0
58.5	75.57	72.49	72.05	74.25	-0.01	-0.01	0.03	1.99	1.3	0.91	0.08	0.08	0.06	0
59	75.13	72.93	72.05	73.61	-0.01	-0.01	0.03	1.96	1.28	0.88	0.08	0.08	0.06	0
59.5	75.13	72.93	72.05	74.25	-0.01	-0.01	0.03	1.93	1.25	0.86	0.07	0.08	0.05	0
60	75.13	72.93	72.05	73.61	-0.01	-0.01	0.02	1.87	1.24	0.83	0.07	0.07	0.05	0
60.5	75.13	72.93	72.05	73.61	0	-0.01	0.02	1.88	1.22	0.81	0.07	0.07	0.05	0
61	75.13	72.93	71.17	73.37	-0.01	-0.01	0.04	1.82	1.24	0.79	0.06	0.07	0.05	0
61.5	75.13	72.49	72.05	73.61	-0.01	-0.01	0.02	1.77	1.22	0.77	0.06	0.06	0.04	0
62	75.13	72.93	71.61	73.37	-0.01	-0.02	0.02	1.76	1.2	0.74	0.06	0.06	0.04	0
62.5	75.13	73.37	72.05	73.37	-0.01	-0.01	0.03	1.7	1.2	0.73	0.05	0.05	0.04	0
63	75.57	72.93	72.05	73.61	-0.01	-0.01	0.03	1.67	1.16	0.7	0.05	0.05	0.04	0
63.5	75.13	72.49	72.05	73.37	-0.01	-0.01	0.03	1.63	1.15	0.69	0.05	0.05	0.03	0
64	75.13	72.49	72.05	73.37	-0.01	-0.01	0.03	1.57	1.16	0.69	0.05	0.05	0.03	-0.5
64.5	75.13	72.93	72.05	73.37	-0.01	0	0.03	1.58	1.15	0.67	0.04	0.05	0.03	0
65	75.57	73.37	72.05	73.37	-0.01	-0.01	0.03	1.5	1.13	0.66	0.04	0.04	0.03	0
65.5	75.13	72.93	71.17	73.37	-0.01	-0.01	0.03	1.49	1.09	0.64	0.04	0.04	0.03	0
66	75.13	72.93	72.05	73.37	-0.01	0	0	1.43	1.09	0.61	0.04	0.04	0.02	0
66.5	75.13	72.49	71.61	73.37	0	-0.01	0.01	1.41	1.07	0.59	0.03	0.04	0.02	0
67	75.13	72.49	72.49	73.37	-0.01	-0.01	0.03	1.36	1.04	0.58	0.03	0.04	0.02	0
67.5	75.13	72.93	72.05	73.37	0	-0.01	0.02	1.37	1.04	0.55	0.03	0.04	0.02	0
68	75.13	72.93	71.61	72.93	-0.01	-0.01	0.03	1.32	1	0.53	0.03	0.03	0.02	0
68.5	75.13	72.93	71.61	72.93	-0.01	-0.01	0.03	1.3	0.98	0.52	0.03	0.03	0.02	0
69	75.13	72.93	71.61	73.37	-0.01	-0.01	0.02	1.26	0.97	0.51	0.02	0.03	0.02	0
69.5	75.13	72.93	71.61	73.37	-0.01	-0.02	0.03	1.23	0.96	0.49	0.02	0.03	0.02	0
70	75.13	72.93	71.61	72.93	-0.01	-0.01	0.02	1.24	0.95	0.48	0.02	0.03	0.02	0
70.5	75.13	72.93	71.61	73.37	0	0	0.03	1.21	0.95	0.46	0.02	0.03	0.02	-0.5
71	75.13	72.93	71.61	72.93	-0.01	0	0.02	1.16	0.94	0.44	0.02	0.03	0.02	0
71.5	75.13	72.93	71.61	72.93	0.01	0	0.03	1.13	0.91	0.43	0.02	0.03	0.01	0
72	75.13	72.93	72.05	72.93	0	0	0.03	1.1	0.89	0.41	0.02	0.03	0.01	0
72.5	75.13	72.93	71.61	72.93	0	0	0.03	1.1	0.88	0.41	0.01	0.02	0.02	0
73	75.13	72.93	71.61	73.37	0	0	0.03	1.05	0.86	0.4	0.01	0.02	0.01	-0.5
73.5	75.13	72.93	71.61	73.37	0	0	0.03	1.05	0.87	0.39	0.01	0.02	0.01	0
74	75.13	72.93	71.61	72.93	0	-0.01	0.02	1.02	0.87	0.38	0.01	0.02	0.01	0
74.5	75.13	72.93	71.61	73.37	0	0	0.03	0.99	0.84	0.36	0.01	0.02	0.01	0
75	75.13	72.93	72.05	72.93	0	0	0.03	0.97	0.82	0.36	0.01	0.02	0.01	-0.5
75.5	75.13	72.93	71.61	72.93	0	-0.01	0.02	0.96	0.81	0.35	0.01	0.02	0.01	0
76	75.13	72.93	71.61	72.93	0	0	0.02	0.93	0.8	0.33	0.01	0.02	0.01	-0.5
76.5	75.13	72.93	71.17	72.93	0	-0.01	0.03	0.9	0.77	0.33	0.01	0.02	0.01	0
77	75.13	72.93	71.61	72.93	0	0	0.03	0.89	0.75	0.32	0.01	0.02	0.01	0

77.5	75.13	72.93	71.61	73.37	0	-0.01	0.03	0.87	0.75	0.31	0.01	0.02	0.01	0
78	74.69	72.93	71.61	72.93	0	0	0.03	0.86	0.73	0.29	0.01	0.02	0.01	0
78.5	73.81	72.93	71.61	72.49	0	0	0.02	0.82	0.69	0.29	0.01	0.02	0.01	0
79	75.57	72.49	71.17	72.93	0	0	0.03	0.81	0.71	0.26	0.01	0.02	0.01	0
79.5	73.81	72.49	71.61	72.49	0	0	0.02	0.81	0.69	0.26	0.01	0.02	0.01	0

FILE A:TEST6.PRN

No.Chan. 14

DATE 05-25-1986

Before Pr 8.75

Preheat T 1.25

L/L TIME 1

M/H Time 3

N/H Time 10

Second H/ 3

Second L/ 13

TIME 1 4 3 2 12 13 11 16 17 18 19 20 21 22

MIN. AIR TEMP TEMP1 TEMP2 TEMP3 AIR P AIR DP RM P IRLED1 IRLED2 IRLED3 IRLED4 IRLED5 IRLED6 IRLED7

0	72.93	72.93	76.88	70.29	0	0	0.03	0	0	0	0	0	0	0
0.5	72.49	72.49	76.44	70.29	0	0	0.03	0	0	0	0	0	0	0
1	72.93	72.49	76.88	70.29	0	0	0.03	0	0	0	0	0	0	0
1.5	72.49	72.49	77.32	70.29	0.01	0	0.03	0	0	0	0	0	0	0
2	72.93	72.93	76.88	70.73	0	0	0.03	0	0	0	0	0	0	0
2.5	73.37	72.49	76.88	70.29	0	0	0.03	0	0	0	0	0	0	0
3	72.49	72.49	76.88	70.29	0.01	0	0.02	0	0	0	0	0	0	0
3.5	72.49	72.49	76.44	70.29	0	0	0.03	0	0	0	0	0	0	0
4	72.93	72.93	76.44	70.73	0	0	0.03	0	0	0	0	0	0	0
4.5	72.93	72.49	76.44	70.29	0	0	0.03	0	0	0	0	0	0	0
5	72.49	72.93	76.44	70.73	0	0	0.03	0	0	0	0	0	0	0
5.5	72.93	72.49	76.44	70.73	0.01	0	0.03	0	0	0	0	0	0	0
6	72.93	72.49	76.01	70.73	0	0	0.03	0	0	0	0	0	0	0
6.5	72.93	72.93	76.44	70.73	0	0	0.03	0	0	0	0	0	0	0
7	72.93	72.49	76.01	70.73	0	0	0.03	0	0	0	0	0	0	0
7.5	72.49	72.49	76.44	70.29	0	0	0.03	0	0	0	0	0	0	0
8	72.93	72.49	76.01	70.73	0	0	0.03	0	0	0	0	0	0	0
8.5	72.93	72.49	76.44	70.29	0.01	0.01	0.03	0	0	0	0	0	0	0
9	73.37	72.49	76.44	70.73	0	0	0.03	0	0	0	0	0	0	0
9.5	72.93	72.49	76.44	70.29	0	0	0.03	0	0	0	0	0	0	0.28
10	72.49	72.49	76.44	70.29	0	0	0.03	0	0	0	0	0	0	1.72
10.5	71.81	72.49	76.01	70.73	1.17	1.08	0.03	0	0	0	0	0	0	3.44
11	72.05	72.93	76.01	70.73	1.06	1.11	0.02	0	0	0	0.01	0	0	3.18
11.5	72.05	72.49	76.01	70.73	1.52	1.36	0.03	0	0	0	0.02	0	0	4.04
12	72.93	72.93	76.01	70.73	1.03	1.37	0.03	0	0	0	0.01	0	0	6.76
12.5	73.37	72.49	76.01	70.29	1.07	1.34	0.04	0	0	0	0.03	0	0	6.6
13	73.37	72.49	76.01	70.73	3.98	2.33	0.03	0	0	0	0.03	0	0	4.98
13.5	74.25	72.05	75.57	70.29	1.2	1.34	0.04	0.01	0	0	0.06	0	0	0
14	74.98	72.49	75.57	70.73	1.07	1.38	0.03	0.02	0	0.01	0.06	0	0	6.04
14.5	74.66	72.49	75.01	70.29	1.01	1.63	0.01	0.02	0	0.01	0.12	0	0	6.08
15	75.57	72.49	76.01	70.73	1.72	1.63	0.02	0.06	0.03	0.01	0.16	0.01	0	13.12
15.5	75.57	72.49	75.57	70.29	2.0	1.64	0.03	0.07	0	0.01	0.12	0.02	0	11.04
16	75.57	72.49	76.01	70.29	1.27	1.62	0.03	0.09	0	0.01	0.13	0.01	0	9.12
16.5	75.57	72.49	76.01	70.73	1.44	1.62	0.03	0.06	0	0.01	0.06	0.01	0	10.08
17	75.57	72.49	76.01	70.73	5.0	1.58	0.03	0.1	0.01	0.01	0.12	0.01	0	10.04
17.5	75.57	72.49	76.01	70.73	3.0	1.6	0.03	0.1	0	0.02	0.18	0.02	0	15.28
18	76.44	72.93	76.01	70.73	1.33	1.57	0.04	0.15	0	0.03	0.14	0.02	0	11.4
18.5	76.01	72.93	76.01	70.73	1.76	1.64	0.03	0.13	0.01	0.05	0.41	0.04	0	5.68
19	76.44	72.93	76.01	70.73	1.55	1.6	0.02	0.24	0.01	0.05	0.28	0.03	0	13.36
19.5	74.44	72.05	76.01	70.73	5.3	1.62	0.04	0.26	0.01	0.06	0.27	0.03	0	3.68
20	76.44	72.93	76.01	70.73	1.6	1.6	0.03	0.54	0.01	0.09	0.33	0.04	0	13.04
20.5	76.44	72.49	76.01	70.73	6.3	1.62	0.03	0.73	0.01	0	0.61	0.05	0	15.28
21	76.88	72.49	76.01	70.73	6	1.61	0.03	0.88	0.01	0.12	0.64	0.07	0	13.24

21.5	76.88	72.40	76.01	70.73	1.08	1.61	0.05	0.97	0.01	0.14	0.53	0.07	0	16.88
22	76.88	72.40	76.01	70.73	1.27	1.64	0.03	1.33	0.01	0.21	0.71	0.09	0.01	16.04
22.5	76.88	72.40	75.57	70.73	1.48	1.59	0.04	1.13	0.02	0.22	0.53	0.11	0	12.92
23	77.32	72.93	76.44	71.17	1.73	1.61	0.03	1.09	0.03	0.24	0.6	0.11	0.01	14.32
23.5	76.88	72.40	76.44	71.17	1.3	1.6	0.03	1.13	0.03	0.31	0.83	0.12	0.01	12.92
24	76.88	72.40	76.01	71.17	1.54	1.58	0.04	1.38	0.04	0.36	0.85	0.14	0.02	16.32
24.5	76.88	72.40	76.01	71.17	1.29	1.29	0.03	1.28	0.04	0.33	0.93	0.15	0.02	16.04
25	77.32	72.40	76.01	70.73	1.26	1.34	0.03	1.25	0.08	0.41	1.16	0.16	0.03	12.92
25.5	76.88	72.93	76.01	71.17	1.48	1.32	0.03	1.8	0.06	0.49	1.13	0.2	0.02	18.04
26	77.32	72.40	75.57	71.17	1.1	1.32	0.03	2.08	0.06	0.58	1.35	0.21	0.04	14.84
26.5	77.32	72.93	75.57	70.73	1.5	1.32	0.04	2.21	0.08	0.55	1.46	0.22	0.03	13.12
27	77.32	72.05	75.57	71.17	0.86	1.32	0.04	2.25	0.08	0.62	1.4	0.21	0.06	17.08
27.5	77.32	72.40	75.13	71.17	0.98	0.84	0.04	2.66	0.11	0.56	1.29	0.23	0.06	17.08
28	76.88	72.40	75.13	70.73	0.59	0.83	0.03	2.97	0.15	0.6	1.5	0.24	0.05	17.52
28.5	77.32	72.40	75.13	70.73	0.87	0.84	0.03	3.06	0.25	0.62	1.84	0.25	0.08	17.08
29	76.88	72.93	75.13	71.17	0.52	0.84	0.03	3.36	0.33	0.67	1.8	0.29	0.07	16.88
29.5	77.32	72.93	75.13	70.73	0.79	0.87	0.03	3.44	0.43	0.7	1.72	0.33	0.12	16.88
30	77.32	72.40	75.13	70.73	0.81	0.86	0.03	3.53	0.56	0.79	1.57	0.35	0.04	15.28
30.5	77.32	72.40	74.69	71.17	0.75	0.87	0.03	3.44	0.66	0.81	1.62	0.37	0.13	15.48
31	77.32	72.40	75.13	71.17	0.88	0.84	0.04	3.58	0.77	0.83	1.7	0.4	0.1	16.32
31.5	76.88	72.40	74.69	71.17	0.52	0.85	0.03	3.63	0.7	0.79	1.54	0.41	0.1	16.04
32	76.88	72.40	74.69	71.17	0.63	0.86	0.03	3.53	0.82	0.84	1.63	0.41	0.09	15.48
32.5	77.32	72.93	74.69	71.17	0.88	0.87	0.04	3.53	0.88	0.88	1.74	0.45	0.1	15.48
33	76.88	72.93	74.69	70.73	0.79	0.88	0.03	3.4	0.98	0.92	1.74	0.49	0.18	15.76
33.5	77.32	72.93	74.69	71.17	0.71	0.88	0.03	3.44	1.12	0.96	1.74	0.52	0.17	15.04
34	77.32	72.93	74.69	71.17	1.03	0.87	0.03	3.44	1.18	0.96	1.68	0.53	0.19	15.28
34.5	76.88	72.93	74.69	71.17	0.57	0.87	0.03	3.36	0.97	0.95	1.74	0.53	0.18	15.48
35	77.32	72.40	74.69	71.17	0.88	0.88	0.03	3.53	1.13	1.02	1.68	0.54	0.18	15.76
35.5	77.32	72.40	74.25	70.73	1.06	0.88	0.04	3.53	1.13	1.02	1.64	0.56	0.17	16.04
36	77.32	72.40	74.69	71.17	1.09	0.88	0.03	3.44	1.08	1.03	1.68	0.57	0.15	15.76
36.5	77.32	72.93	74.69	71.17	1.11	0.88	0.03	3.44	1.21	1.13	1.67	0.61	0.16	15.76
37	77.32	72.93	74.25	71.17	0.54	0.87	0.04	3.56	1.35	1.05	1.66	0.62	0.18	16.88
37.5	77.32	72.49	74.25	70.73	0.54	0.88	0.03	3.68	1.23	1.1	1.73	0.62	0.17	15.28
38	77.76	72.93	74.69	71.17	0.88	0.88	0.03	3.68	1.21	1.14	1.66	0.62	0.18	15.48
38.5	77.32	72.40	74.69	70.73	0.71	0.87	0.03	3.4	1.22	1.14	1.7	0.67	0.19	14.32
39	77.32	72.93	74.25	70.73	0.87	0.85	0.04	3.4	1.19	1.13	1.81	0.65	0.19	15.04
39.5	77.32	73.37	74.25	71.17	1.18	0.92	0.03	3.36	1.22	1.16	1.66	0.68	0.23	14.68
40	77.76	72.93	74.69	71.17	0.88	0.88	0.03	3.44	1.2	1.17	1.88	0.7	0.19	15.48
40.5	77.32	72.93	74.69	71.17	0.84	0.84	0.03	3.44	1.31	1.12	1.7	0.71	0.22	14
41	77.32	72.93	74.69	71.17	0	0.81	0.03	3.48	1.29	1.1	1.52	0.74	0.17	14.64
41.5	77.32	72.93	74.69	71.17	0	0	0.03	3.44	1.22	1.14	1.38	0.81	0.17	13.6
42	77.32	72.93	75.13	71.17	0	-0.01	0.04	2.75	1.11	1.16	1.68	0.78	0.17	7.64
42.5	77.76	72.93	75.13	71.17	0.01	0	0.03	3.23	1.21	1.15	0.99	0.81	0.25	7
43	77.32	72.93	75.57	71.17	-0.01	0	0.03	3.4	1.22	1.17	0.97	0.89	0.26	5.88
43.5	76.88	73.37	75.13	71.17	0	-0.01	0.03	2.53	1.04	1.05	1.11	0.76	0.21	5.88
44	77.32	72.93	75.57	71.17	0	0	0.04	2.88	1.15	1.05	1.16	0.86	0.16	6.4
44.5	76.88	72.49	75.57	71.17	0	0.01	0.03	2.68	1.16	1.06	1.09	0.85	0.18	8.64
45	76.88	72.93	75.57	71.61	0	0	0.04	2.34	1.11	1.09	0.88	0.84	0.18	7.44
45.5	76.88	72.93	76.44	71.17	0	0	0.03	2.68	1.12	1.08	0.94	0.59	0.18	6.48
46	76.88	72.40	76.01	71.61	0	0.01	0.03	2.47	1.24	1.02	0.87	0.57	0.18	4.88
46.5	76.88	72.93	75.57	71.61	0.01	0	0.03	2.38	1.32	1.05	0.8	0.54	0.18	6.8
47	76.88	72.93	76.01	71.61	0.01	0.01	0.04	2.14	1.31	1	0.71	0.55	0.17	5.92
47.5	76.88	72.93	76.01	71.61	0.01	0	0.03	2.33	1.22	1.03	0.84	0.52	0.17	5.88
48	76.44	72.40	76.01	71.61	0.03	0.03	0.03	2.16	1.29	1.04	0.82	0.51	0.16	4.76
48.5	76.44	72.40	76.01	71.61	0.01	0	0.03	1.97	1.44	1.01	0.56	0.47	0.5	4.8
49	76.88	72.40	76.01	71.61	0.01	0.01	0.01	1.87	1.4	0.97	0.54	0.45	0.14	4.56

49.5	76.44	72.49	76.01	71.61	0	-0.01	0.03	1.9	1.41	1.01	0.5	0.42	0.14	4.6
50	76.44	72.49	76.01	71.61	0	-0.01	0.04	2.07	1.34	0.94	0.47	0.39	0.13	4.72
50.5	76.44	72.49	76.44	72.05	-0.01	0	0.03	2.05	1.35	0.95	0.46	0.38	0.12	3.8
51	76.44	72.49	76.01	72.05	-0.01	0	0.03	1.71	1.36	0.93	0.44	0.37	0.12	4.08
51.5	76.44	72.49	76.01	72.05	0	0	0.04	1.83	1.39	0.91	0.38	0.35	0.11	3.64
52	76.01	72.49	76.01	71.61	0	0	0.03	1.88	1.38	0.9	0.35	0.32	0.11	3.88
52.5	76.01	72.49	75.57	72.05	0	0	0.03	1.69	1.45	0.87	0.36	0.32	0.1	3.76
53	76.44	72.93	76.01	71.61	0	0	0.03	1.77	1.32	0.86	0.32	0.29	0.1	3.64
53.5	76.01	72.49	76.01	72.05	0	-0.01	0.03	1.66	1.3	0.84	0.29	0.27	0.09	3.24
54	76.44	72.49	76.01	72.05	0	0	0.03	1.76	1.37	0.84	0.27	0.25	0.09	3.24
54.5	76.44	72.49	76.01	72.05	0	0	0.03	1.73	1.35	0.79	0.27	0.23	0.08	2.96
55	76.44	72.49	76.44	72.05	0	-0.01	0.03	1.55	1.34	0.76	0.25	0.21	0.08	2.92
55.5	76.01	72.49	76.01	72.05	0.01	0	0.03	1.64	1.31	0.77	0.23	0.19	0.08	2.64
56	76.44	72.49	76.01	72.05	-0.01	0	0.03	1.7	1.26	0.74	0.22	0.18	0.07	2.16
56.5	76.44	72.49	76.01	72.05	-0.01	0	0.04	1.68	1.27	0.75	0.21	0.18	0.06	2.32
57	76.44	72.49	76.01	72.05	0	-0.01	0.03	1.6	1.32	0.71	0.2	0.17	0.06	2.12
57.5	76.01	72.93	76.01	72.05	0	-0.01	0.03	1.52	1.26	0.69	0.18	0.15	0.06	2.16
58	76.44	72.49	76.01	71.61	-0.01	-0.01	0.03	1.44	1.27	0.67	0.23	0.15	0.05	1.6
58.5	76.44	72.49	76.01	71.61	-0.01	-0.01	0.03	1.49	1.24	0.66	0.16	0.14	0.05	1.68
59	76.44	72.49	76.01	71.61	-0.01	-0.01	0.03	1.42	1.24	0.63	0.15	0.13	0.05	1.56
59.5	76.44	72.49	76.01	72.05	-0.01	0	0.03	1.52	1.21	0.61	0.14	0.12	0.04	1.48
60	76.01	72.49	76.01	71.61	-0.01	-0.01	0.03	1.48	1.18	0.61	0.14	0.12	0.04	1.48
60.5	76.01	72.49	76.01	72.49	0	-0.01	0.03	1.4	1.18	0.61	0.15	0.11	0.04	1.52
61	76.44	72.49	76.01	72.05	0	0	0.03	1.37	1.18	0.6	0.12	0.1	0.03	1.28
61.5	76.44	72.49	76.01	72.05	-0.01	0	0.03	1.46	1.13	0.57	0.12	0.1	0.03	1.28
62	76.44	72.93	76.44	72.05	-0.01	-0.01	0.03	1.37	1.15	0.56	0.12	0.09	0.03	1.28
62.5	76.44	72.49	76.01	72.05	-0.01	-0.01	0.03	1.44	1.1	0.54	0.11	0.09	0.03	1.08
63	76.44	72.49	76.01	72.05	-0.01	-0.01	0.03	1.35	1.08	0.55	0.11	0.08	0.02	1.08
63.5	76.44	72.49	76.01	72.05	0	0	0.03	1.3	1.1	0.53	0.1	0.08	0.02	1.24
64	76.44	72.49	76.01	72.05	0.01	-0.01	0.03	1.46	1.06	0.49	0.08	0.08	0.02	1.08
64.5	76.44	72.49	75.57	72.49	-0.06	-0.05	0.03	1.38	1.03	0.45	0.08	0.07	0.02	1.08
65	76.44	72.93	76.01	72.05	-0.07	-0.07	0.02	1.42	1.02	0.44	0.08	0.06	0.01	0.92
65.5	76.01	72.49	75.57	72.05	1.13	1.3	0.03	1.26	0.99	0.43	0.08	0.06	0.01	1.24
66	76.44	72.49	75.57	72.05	1.91	2.45	0.04	1.33	0.99	0.38	0.07	0.06	0.01	1.44
66.5	76.44	72.49	75.57	72.49	2.46	2.45	0.03	1.33	0.96	0.4	0.07	0.05	0.01	1.48
67	76.44	72.49	75.57	72.49	2.38	2.44	0.04	1.34	0.92	0.41	0.06	0.05	0.01	1.4
67.5	76.88	72.93	76.01	72.49	2.29	2.44	0.04	1.36	0.91	0.42	0.06	0.05	0.01	1.28
68	76.44	72.93	76.01	72.49	2.37	2.42	0.04	1.32	0.91	0.38	0.05	0.05	0.01	1.2
68.5	76.88	72.49	76.01	72.49	1.96	2.44	0.03	1.24	0.92	0.36	0.05	0.04	0	1.12
69	76.88	72.49	76.01	72.49	1.94	2.44	0.04	1.21	0.9	0.37	0.05	0.04	0	1.04
69.5	76.88	72.49	76.01	72.49	2.44	2.4	0.04	1.23	0.87	0.36	0.05	0.04	0	1
70	77.32	72.93	76.01	72.05	2.05	2.42	0.04	1.2	0.86	0.33	0.04	0.04	0	0.96
70.5	77.32	72.49	76.44	72.49	2.44	2.45	0.04	1.25	0.87	0.33	0.04	0.03	0	0.92
71	76.44	72.49	76.44	72.49	1.99	2.44	0.03	1.2	0.81	0.32	0.04	0.03	0	0.88
71.5	77.32	72.49	76.01	72.49	1.93	2.44	0.04	1.27	0.83	0.32	0.04	0.03	0	0.88
72	77.32	72.49	76.01	72.49	2.07	2.43	0.03	1.21	0.84	0.3	0.03	0.03	0	0.84
72.5	77.32	72.49	76.01	72.49	2.13	2.45	0.03	1.1	0.82	0.3	0.05	0.03	0	0.8
73	77.32	72.49	76.01	72.49	2.36	2.42	0.04	1	0.78	0.3	0.04	0.03	0	0.76
73.5	76.44	72.93	76.01	72.49	1.93	2.42	0.04	1.04	0.77	0.29	0.03	0.02	0	0.76
74	77.32	72.93	76.01	72.49	1.91	2.46	0.04	1.03	0.76	0.28	0.03	0.02	0	0.72
74.5	77.32	72.49	76.01	72.49	2.52	2.42	0.04	1.15	0.76	0.27	0.03	0.02	0	0.72
75	77.32	72.49	76.44	72.49	2.41	2.42	0.04	1	0.77	0.26	0.03	0.02	0	0.68
75.5	77.32	72.93	76.44	72.49	0.61	0.62	0.03	0.96	0.76	0.25	0.03	0.02	0	0.68

LOCATION OF SENSORS, SCZ 3-1, HIGH, TEST NO. 9A-10

AIR TEMP- TEMP FLOWMETER

TEMP1- TEMP 1ST.P.135

TEMP2- TEMP 2DK.P-115

TEMP3- TEMP 2DK.DRE.AREA-116

AIR P- PRESSURE FLOWMETER INLET

AIR DP- DIFFERENTIAL PRESSURE ACROSS FLOWMETER INLET AND OUTLET

RM P- PRESSURE RELEASE SPACE (2DK.RECL.)

IRLED1- LASER 1ST.P.SAN.SPACE

IRLED2- LASER 1ST.P.135

IRLED3- LASER 2DK.P-115

IRLED4- LASER 2DK.120

IRLED5- LASER 2DK.REC.L.104

IRLED6- LASER 2DK.DRE.AREA-116

IRLED7- LASER 2DK.RECL.



FILE A:TEST0A.PRN

No.Chan. 14

DATE 05-25-1986

Before Pr 8.75

Preheat T 1.25

L/L TIME 1

M/H Time 3

N/H Time 10

Second M/ 3

Second L/ 13

TIME	1	4	3	2	12	13	11	16	17	18	19	20	21	22
MIN.	AIR TEMP	TEMP1	TEMP2	TEMP3	AIR P	AIR DP	RM P	IRLED1	IRLED2	IRLED3	IRLED4	IRLED5	IRLED6	IRLED7
0	79.52	72.93	77.32	77.32	0	0.01	0.04	0	0	0	0	0	0	0
0.5	79.52	72.93	77.32	76.88	0.01	0.01	0.03	0	0	0	0	0	0	0
1	79.52	72.93	77.32	76.88	0.01	0	0.04	0	0	0	0	0	0	0
1.5	78.64	72.49	77.76	77.32	0.01	0.01	0.04	0	0	0	0	0	0	0
2	79.08	72.49	77.32	77.32	0.01	0	0.03	0	0	0	0.01	0	0	0
2.5	79.52	72.49	77.32	77.32	0	0	0.03	0	0	0	0	0	0	0
3	79.52	72.93	77.32	77.32	0.02	0.03	0.03	0	0	0	0	0	0	0
3.5	79.52	72.93	77.32	77.32	0.01	0	0.04	0	0	0	0	0	0	0
4	79.08	72.93	76.88	77.32	0.01	0	0.04	0	0	0	0	0	0	0
4.5	79.52	72.49	77.32	77.32	0	0	0.03	0	0	0	0	0	0	0
5	79.08	72.49	76.88	77.32	0	0	0.03	0	0	0	0	0	0	0
5.5	79.08	72.93	77.32	76.88	0	0	0.04	0	0	0	0	0	0	0
6	79.52	72.49	77.32	77.32	0.01	0	0.04	0	0	0	0	0	0	0
6.5	79.08	72.49	77.32	76.44	0.01	0	0.03	0	0	0	0	0	0.01	0
7	79.52	72.49	77.32	76.88	0	0	0.03	0	0	0	0	0	0.01	0
7.5	79.08	72.49	77.32	76.88	0.01	0.01	0.04	0	0	0	0	0	0.01	0
8	79.08	72.49	77.76	76.88	0.01	0	0.04	0	0	0	0	0	0.01	0
8.5	79.52	72.93	78.2	77.32	0.01	0	0.03	0	0	0	0	0	0.01	0
9	79.52	72.49	77.76	77.32	0.01	0	0.03	0	0	0	0	0	0.01	0
9.5	78.64	72.49	77.76	76.88	0	0	0.04	0	0	0	0	0	0.01	1.32
10	78.64	72.49	77.32	76.88	0	0	0.03	0	0	0	0.26	0	0.01	1.6
10.5	79.08	72.93	77.32	77.32	0.83	0.83	0.03	0	0	0	0.32	0	0.01	0.28
11	79.08	72.93	77.76	76.88	0.83	0.82	0.03	0	0	0	0.16	0	0.01	0.56
11.5	79.08	72.93	77.76	77.32	1.13	1.07	0.03	0	0	0	0.38	0	0.01	1
12	78.64	72.49	77.32	77.32	1.1	1.06	0.03	0	0	0	0.27	0	0.01	2.04
12.5	79.08	72.49	77.32	77.32	1.12	1.06	0.04	0	0	0	0.6	0	0.01	2.28
13	78.64	72.49	77.32	77.76	1.11	1.05	0.02	0	0	0.12	1.17	0	0.01	3.4
13.5	78.64	72.49	77.32	77.76	1.12	1.05	0.03	0	0	0.11	1.37	0	0.01	4
14	78.64	72.93	77.32	77.76	1.1	1.04	0.03	0	0	0	1.63	0.01	0.01	4.36
14.5	79.08	72.93	77.32	78.2	1.72	1.62	0.05	0	0	0.02	2.43	0	0.01	4.44
15	78.64	72.93	77.32	78.2	1.68	1.55	0.06	0	0	0.02	2.4	0.01	0.01	4.48
15.5	79.08	72.93	77.32	77.76	1.69	1.55	0.04	0	0	0.09	1.76	0.02	0.01	5.12
16	79.08	72.93	77.32	77.76	1.74	1.55	0.05	0	0	0.15	2.25	0.01	0.01	5.72
16.5	78.64	72.49	77.32	78.2	1.67	1.58	0.05	0	0	0.21	3.02	0.03	0.02	5.84
17	79.08	72.49	77.32	78.2	1.73	1.59	0.04	0	0	0.27	2.93	0.05	0.02	6.24
17.5	79.08	72.93	77.32	78.2	1.73	1.55	0.05	0	0	0.35	2.67	0.06	0.02	7.4
18	79.08	72.49	77.32	78.2	1.72	1.6	0.04	0	0	0.47	2.97	0.04	0.07	6.92
18.5	79.08	72.49	77.32	78.2	1.71	1.63	0.05	0	0	0.49	3.07	0.03	0.05	7.44
19	78.64	72.93	76.88	78.2	1.74	1.56	0.05	0	0	0.58	3.15	0.06	0.05	7.76
19.5	79.08	72.49	76.88	78.2	1.69	1.57	0.06	0	0	0.77	3	0.11	0.05	7.76
20	79.08	72.93	77.32	78.64	1.73	1.58	0.05	0	0	0.86	3.07	0.08	0.07	8.44
20.5	79.08	72.93	76.88	78.64	1.71	1.57	0.05	0	0	1	3.04	0.06	0.08	8.24
21	78.64	72.93	77.32	78.2	1.71	1.53	0.05	0	0	1.13	3.04	0.06	0.12	8.08

21.5	79.08	72.49	77.32	78.64	1.7	1.56	0.05	0	0	1.04	3.15	0.08	0.11	9.08
22	79.08	72.49	77.32	78.2	1.74	1.81	0.04	0	0	1.52	3.24	0.15	0.09	8.56
22.5	79.08	72.49	77.32	78.2	1.73	1.56	0.05	0	0	1.51	3.15	0.19	0.11	8.8
23	78.64	72.93	76.88	78.64	1.74	1.64	0.05	0	0	1.59	3.15	0.16	0.19	9.84
23.5	79.52	72.93	76.88	78.2	1.7	1.57	0.05	0	0	1.43	3.18	0.29	0.23	9.2
24	79.08	72.49	77.32	78.64	1.7	1.57	0.05	0	0	1.76	3.18	0.21	0.19	9.76
24.5	79.08	72.93	76.88	78.64	1.26	1.18	0.04	0	0	1.78	3.18	0.21	0.16	9.72
25	78.64	72.93	76.88	78.64	1.31	1.22	0.04	0	0	1.46	3.15	0.22	0.18	10.2
25.5	79.08	72.93	76.88	78.2	1.32	1.21	0.04	0	0	1.37	3.24	0.3	0.22	9.84
26	79.08	72.93	76.88	78.64	1.32	1.22	0.03	0	0	1.23	3.18	0.31	0.25	10.04
26.5	79.08	72.93	77.32	78.64	1.31	1.22	0.05	0	0	1.18	3.21	0.33	0.26	9.52
27	79.08	72.93	77.32	78.64	1.31	1.21	0.03	0	0	1.12	3.21	0.36	0.3	9.96
27.5	79.08	72.49	76.88	78.64	0.81	0.77	0.04	0	0	1.02	3.1	0.4	0.34	11
28	79.08	72.93	77.32	78.2	0.8	0.78	0.02	0	0	0.88	3.1	0.34	0.35	10.56
28.5	79.08	72.93	77.32	79.08	0.81	0.79	0.02	0	0	0.77	3.07	0.36	0.39	10.52
29	78.64	72.93	77.32	79.08	0.8	0.79	0.03	0	0	0.7	3.07	0.44	0.4	10.24
29.5	79.52	72.93	77.32	78.64	0.81	0.76	0.03	0	0	0.6	3.18	0.43	0.47	10.04
30	79.08	72.93	77.76	79.08	0.8	0.8	0.02	0	0	0.52	3.1	0.52	0.51	9.76
30.5	79.08	72.93	77.32	78.2	0.8	0.78	0.03	0	0	0.48	3.1	0.52	0.57	9.96
31	79.08	72.93	77.32	78.54	0.82	0.79	0.02	0	0	0.44	3.1	0.56	0.62	9.84
31.5	79.08	72.93	77.32	79.08	0.8	0.76	0.03	0	0	0.41	3.15	0.63	0.66	9.36
32	79.08	72.93	77.76	78.64	0.81	0.79	0.03	0	0.01	0.38	3.12	0.68	0.7	9.04
32.5	79.08	72.93	77.32	79.08	0.81	0.8	0.02	0	0.01	0.35	3.15	0.75	0.74	9.16
33	79.08	72.49	78.2	79.08	0.8	0.78	0.03	0	0.01	0.35	3.12	0.75	0.8	8.84
33.5	78.64	72.93	77.76	78.64	0.81	0.79	0.03	0.01	0.01	0.3	3.15	0.78	0.83	8.6
34	79.08	73.37	77.76	79.08	0.83	0.78	0.03	0.01	0.01	0.3	3.15	0.8	0.89	8.6
34.5	79.08	72.93	78.88	78.64	0.81	0.78	0.03	0.01	0.01	0.27	3.1	0.87	0.95	8.48
35	79.08	72.93	77.32	79.52	0.82	0.77	0.04	0.01	0.01	0.25	3.1	0.9	0.99	8.96
35.5	79.08	72.93	77.76	78.64	0.81	0.78	0.04	0.01	0.01	0.22	3.1	0.94	1.08	8.72
36	79.08	72.49	77.76	79.08	0.82	0.78	0.03	0.01	0.02	0.22	3.15	0.98	1.11	8.48
36.5	79.08	72.49	77.32	79.08	0.82	0.81	0.02	0.01	0.02	0.2	3	1	1.18	8.08
37	78.64	72.93	77.32	78.64	0.81	0.79	0.03	0.01	0.02	0.2	3.15	1.03	1.2	8
37.5	79.52	72.49	77.76	79.08	0.82	0.79	0.03	0.01	0.02	0.19	3.15	1.04	1.24	8.2
38	78.64	72.93	77.32	79.08	0.83	0.78	0.03	0.01	0.02	0.17	3.18	1.1	1.3	8.08
38.5	78.64	72.49	77.32	79.52	0.8	0.79	0.03	0.01	0.03	0.16	3.12	1.16	1.32	7.84
39	78.64	72.93	77.32	78.64	0.81	0.79	0.03	0.02	0.03	0.16	3.12	1.27	1.42	7.96
39.5	79.08	72.93	77.76	78.64	0.8	0.79	0.04	0.02	0.03	0.14	3.02	1.33	1.42	7.96
40	79.08	72.93	77.32	79.08	0.81	0.79	0.03	0.02	0.03	0.13	3.12	1.28	1.48	8.34
40.5	79.08	72.49	77.76	78.64	0.03	0.03	0.04	0.02	0.03	0.13	3.1	1.29	1.54	8
41	79.08	72.93	77.32	78.64	0	0	0.03	0.02	0.03	0.12	3.15	1.32	1.59	7.16
41.5	78.64	72.93	77.76	78.2	0.01	0	0.03	0.02	0.03	0.13	3.12	1.36	1.59	6.68
42	78.64	72.93	77.76	78.2	0.01	0.01	0.04	0.02	0.04	0.13	3.24	1.37	1.95	6.68
42.5	79.08	72.93	77.32	78.64	0.01	0	0.03	0.02	0.04	0.14	3.1	1.36	1.65	6.6
43	78.64	72.93	77.76	78.2	0.01	0	0.04	0.02	0.04	0.16	3.1	1.4	1.71	6.56
43.5	78.64	72.93	77.76	78.64	0	0	0.04	0.03	0.05	0.16	3.24	1.4	1.73	6.44
44	79.08	72.93	77.76	78.64	-0.02	-0.03	0.04	0.03	0.05	0.17	3.18	1.41	1.79	5.2
44.5	78.64	72.93	77.32	79.08	-0.01	-0.01	0.05	0.03	0.06	0.26	3.15	1.41	1.81	5.24
45	79.08	72.93	77.76	78.64	-0.02	-0.03	0.05	0.04	0.06	0.49	3.1	1.42	1.81	4.56
45.5	78.64	72.93	77.76	78.64	-0.02	-0.03	0.05	0.05	0.06	0.48	3.04	1.38	1.59	3.92
46	78.64	72.93	77.32	78.64	-0.02	-0.03	0.05	0.06	0.05	0.41	3.02	1.39	1.4	2.96
46.5	78.64	72.93	77.32	79.08	-0.02	-0.03	0.05	0.08	0.05	0.41	3.04	1.39	1.39	2.76
47	78.2	72.93	77.32	78.64	-0.01	-0.03	0.04	0.09	0.06	0.44	2.95	1.38	1.33	2.56
47.5	78.2	72.93	77.32	78.2	-0.01	-0.03	0.05	0.11	0.07	0.49	2.91	1.14	1.26	2.48
48	78.2	72.93	76.88	78.64	-0.02	-0.03	0.04	0.12	0.06	0.55	2.78	1.09	1.23	2.32
48.5	78.2	72.93	76.88	78.2	-0.02	-0.03	0.05	0.13	0.06	0.51	2.67	1.04	1.08	2.24
49	78.64	72.49	76.88	77.76	-0.02	-0.03	0.06	0.13	0.08	0.58	2.53	0.94	0.99	2.08

49.5	78.2	72.93	76.88	78.2	-0.01	-0.03	0.04	0.14	0.08	0.62	2.42	0.92	0.95	2.04
50	78.2	72.93	76.88	76.88	-0.01	-0.01	0.03	0.13	0.08	0.67	2.24	0.85	0.9	1.84
50.5	78.2	72.93	76.88	77.32	-0.01	-0.01	0.04	0.13	0.07	0.69	2.18	0.84	0.84	1.84
51	78.2	72.93	76.88	76.88	-0.02	-0.02	0.04	0.14	0.08	0.68	2	0.75	0.77	1.68
51.5	78.2	72.93	76.88	76.88	-0.02	-0.03	0.05	0.12	0.08	0.67	1.92	0.74	0.73	1.6
52	77.76	72.49	76.88	77.32	-0.02	-0.03	0.05	0.13	0.09	0.64	1.75	0.71	0.66	1.52
52.5	77.76	72.93	76.88	76.88	-0.01	-0.03	0.04	0.14	0.08	0.63	1.78	0.65	0.64	1.44
53	78.2	72.93	76.88	76.44	-0.03	-0.03	0.04	0.12	0.08	0.63	1.68	0.63	0.6	1.4
53.5	77.32	72.93	76.44	76.44	-0.02	-0.03	0.05	0.13	0.08	0.62	1.54	0.61	0.55	1.28
54	77.76	72.93	76.44	76.44	-0.01	-0.03	0.05	0.12	0.09	0.59	1.41	0.54	0.52	1.28
54.5	77.76	72.49	76.44	76.44	-0.01	-0.03	0.04	0.12	0.08	0.65	1.36	0.52	0.47	1.2
55	77.76	72.93	76.44	76.01	-0.02	-0.03	0.04	0.12	0.09	0.58	1.24	0.49	0.44	1.16
55.5	77.76	72.93	76.88	76.44	-0.02	-0.03	0.05	0.11	0.08	0.52	1.11	0.45	0.4	1.08
56	77.32	72.93	76.44	75.57	-0.18	-0.18	0.04	0.11	0.09	0.57	1.06	0.42	0.4	1.08
56.5	77.32	72.93	76.44	76.01	0.01	0	0.04	0.11	0.09	0.54	1.02	0.4	0.34	1.0
57	76.88	72.93	76.44	76.01	0.01	0	0.05	0.11	0.09	0.54	0.95	0.39	0.34	0.96
57.5	77.32	72.93	76.44	76.01	0.01	0	0.05	0.11	0.09	0.53	0.88	0.36	0.32	0.92
58	77.32	73.37	76.01	75.57	0.01	0	0.04	0.11	0.09	0.52	0.82	0.34	0.29	0.88
58.5	77.32	72.93	76.44	75.57	0	-0.01	0.04	0.11	0.1	0.5	0.77	0.31	0.28	0.88
59	77.32	72.93	76.01	75.57	0	0	0.04	0.11	0.09	0.49	0.72	0.3	0.25	0.84
59.5	77.76	72.93	76.01	75.57	0.01	0.01	0.04	0.11	0.09	0.47	0.68	0.28	0.24	0.8
60	77.32	73.37	76.01	76.01	0	0	0.04	0.11	0.09	0.46	0.67	0.27	0.22	0.8
60.5	77.32	72.93	76.01	75.13	0	0	0.04	0.11	0.09	0.45	0.61	0.25	0.21	0.76
61	77.32	72.93	76.01	74.69	0	0	0.05	0.11	0.09	0.43	0.55	0.24	0.19	0.72
61.5	77.32	72.93	75.57	75.57	0.01	0	0.04	0.11	0.09	0.44	0.53	0.23	0.18	0.68
62	77.32	72.93	76.01	75.13	0.01	0	0.04	0.11	0.09	0.4	0.49	0.22	0.17	0.68
62.5	77.76	72.93	75.01	75.13	0.01	-0.01	0.04	0.11	0.09	0.4	0.45	0.21	0.15	0.68
63	77.76	72.93	76.01	75.13	0.01	0	0.04	0.11	0.09	0.38	0.43	0.18	0.14	0.64
63.5	77.76	72.93	75.57	75.13	0.01	0	0.04	0.11	0.06	0.37	0.39	0.19	0.13	0.64
64	77.76	73.37	76.01	75.13	0.01	0	0.05	0.11	0.09	0.36	0.38	0.17	0.12	0.6
64.5	77.32	72.49	75.57	75.13	0.01	-0.01	0.05	0.09	0.09	0.34	0.38	0.16	0.11	0.6
65	77.32	72.93	75.57	75.57	0.01	0.01	0.05	0.09	0.09	0.33	0.34	0.15	0.1	0.6
65.5	77.76	72.93	75.57	75.57	0.01	0.01	0.05	0.09	0.09	0.31	0.34	0.14	0.1	0.56
66	77.76	72.93	76.01	75.13	0	0	0.01	0.09	0.09	0.29	0.29	0.14	0.08	0.56
66.5	77.76	73.37	76.01	74.69	0.01	0.01	0.03	0.09	0.09	0.29	0.28	0.13	0.08	0.52
67	77.32	72.93	75.57	75.13	0.01	0	0.05	0.09	0.09	0.29	0.28	0.12	0.07	0.52
67.5	77.76	73.37	75.57	75.13	0.01	0	0.05	0.09	0.09	0.28	0.25	0.11	0.07	0.52
68	77.76	72.93	75.57	74.25	0.01	0	0.04	0.09	0.09	0.28	0.22	0.1	0.06	0.52
68.5	78.2	72.93	75.57	75.13	0.01	0	0.04	0.09	0.09	0.24	0.22	0.1	0.08	0.68
69	77.76	72.93	75.57	74.25	0	0	0.04	0.09	0.09	0.23	0.21	0.09	0.06	0.68
69.5	78.2	72.93	75.57	74.69	0.01	0.01	0.05	0.09	0.09	0.22	0.16	0.09	0.06	0.68
70	77.76	73.37	75.57	74.69	0.01	0	0.04	0.09	0.09	0.21	0.16	0.08	0.04	0.64
70.5	77.76	72.93	75.57	74.25	0.01	0	0.04	0.09	0.09	0.21	0.16	0.08	0.04	0.64
71	77.76	72.93	75.57	74.25	0.01	0	0.04	0.09	0.09	0.2	0.16	0.08	0.04	0.64
71.5	77.32	73.37	75.13	74.69	0.01	0.01	0.04	0.09	0.09	0.19	0.16	0.07	0.04	0.64

FILE A TEST10.PRM

No Chan 14

DATE 05-25-1986

Before Pr 1.75

Preheat T 1.25

LVL TIME

M/R Time 3

R/R Time 10

Second M 3

Second L 3

TIME

		4	3	2	12	13	11	16	17	18	19	20	21	22
MIN	AIR TEMP	TEMP1	TEMP2	TEMP3	AIR P	AIR DP	RM F	IRLED1	IRLED2	IRLED3	IRLED4	IRLED5	IRLED6	IRLED7
0	77.76	73.37	76.44	76.88	0.01	0.02	0.03	0	0	0	0	0	0	0
0.5	77.76	73.37	76.44	76.88	0.01	0	0.04	0	0	0	0	0	0	0
1	77.76	73.37	76.44	76.88	0.01	0.01	0.04	0	0	0	0	0	0	0
1.5	77.76	73.37	76.88	76.88	0.01	0.01	0.03	0	0	0	0	0	0	0
2	77.76	73.37	77.32	76.88	0.01	0.01	0.03	0	0	0	0	0	0	0
2.5	76.88	73.37	76.88	76.88	0.01	0	0.03	0	0	0	0	0	0	0.76
3	77.32	73.37	76.88	76.88	0	0	0.04	0	0	0	0.02	0	0	1.08
3.5	77.76	73.37	76.88	76.44	0.06	0.6	0.03	0	0	0	0.01	0	0	0.12
4	77.32	73.81	76.88	76.44	0.06	0.8	0.03	0	0	0	0.03	0	0	0.44
4.5	77.76	72.83	76.44	76.44	1.3	1.22	0.03	0	0	0	0.03	0	0	0.84
5	77.76	73.37	76.88	76.44	1.29	1.2	0.04	0	0	0	0.07	0	0	1.72
5.5	76.1	73.37	76.44	76.88	1.29	1.19	0.03	0	0	0	0.16	0	0	2.4
6	76.1	73.37	76.44	76.44	1.28	1.18	0.04	0	0	0	0.13	0	0.01	3.04
6.5	76.1	73.37	76.88	76.44	1.3	1.2	0.02	0	0	0	0.49	0	0.01	3.08
7	76.1	73.37	76.88	76.88	1.29	1.22	0.03	0	0	0	0.54	0	0.01	4.04
7.5	77.76	73.81	76.44	76.88	1.77	1.62	0.05	0	0	0	0.95	0	0.03	4.44
8	76.1	73.37	76.44	76.88	1.6	1.58	0.05	0	0	0	1.82	0	0.05	4.36
8.5	76.64	73.37	76.44	76.88	1.79	1.63	0.04	0	0	0.05	1.37	0.01	0.08	4.36
9	76.64	73.37	76.88	76.44	1.75	1.58	0.04	0	0	0.09	1.88	0.01	0.13	4.32
9.5	76.64	73.37	76.88	77.32	1.76	1.64	0.02	0	0	0.19	1.18	0.01	0.2	5.04
10	76.64	73.37	76.88	76.88	1.72	1.57	0.05	0	0	0.29	2.43	0.01	0.23	5.88
10.5	76.64	73.81	76.44	76.88	1.73	1.56	0.05	0	0	0.36	2.42	0.01	0.31	5.48
11	76.64	73.37	76.88	77.32	1.71	1.57	0.02	0	0	0.5	2.29	0.01	0.25	5.72
11.5	76.1	73.37	76.44	76.88	1.69	1.55	0.04	0	0	0.56	2.82	0.02	0.34	5.96
12	76.64	73.37	76.44	77.32	1.71	1.54	0.04	0	0	0.71	3.1	0.02	0.57	6.8
12.5	76.64	73.37	76.44	77.32	1.71	1.6	0.05	0	0	0.89	2.8	0.02	0.55	6.68
13	76.64	72.83	76.44	76.88	1.72	1.58	0.04	0	0	1.04	3.08	0.03	0.72	7.04
13.5	76.64	73.37	76.88	76.88	1.72	1.56	0.05	0	0	1.01	3.1	0.02	0.82	7.08
14	76.64	73.37	76.44	77.32	1.68	1.57	0.04	0	0	1.33	3.13	0.03	1	7.48
14.5	76.88	72.83	76.88	77.32	1.71	1.54	0.04	0	0	1.61	2.98	0.04	1.06	7.16
15	76.64	73.37	76.44	77.32	1.74	1.54	0.03	0	0	1.46	3.13	0.03	1.09	7.24
15.5	76.88	73.37	76.44	77.32	1.73	1.57	0.04	0	0	1.63	3.08	0.04	1.32	7.48
16	73.36	73.81	76.44	77.32	1.71	1.54	0.05	0	0	1.77	3.19	0.04	1.42	7.4
16.5	76.64	73.37	76.88	77.32	1.7	1.51	0.03	0	0	1.94	3.22	0.05	1.56	7.8
17	76.64	73.37	76.88	77.32	1.71	1.55	0.05	0	0	2.18	3.19	0.05	1.53	7.88
17.5	76.88	73.37	76.44	77.32	1.29	1.21	0.03	0	0	1.78	3.22	0.05	1.69	8.68
18	76.64	73.37	76.88	76.88	1.31	1.23	0.01	0	0	1.54	3.29	0.06	1.77	8.72
18.5	76.36	73.81	76.44	76.88	1.31	1.23	0.03	0	0.01	1.42	3.32	0.06	1.9	9.12
19	76.64	73.81	76.88	77.32	1.33	1.24	0.03	0	0	1.35	3.29	0.07	2.09	9.44
19.5	76.64	73.37	76.88	77.32	1.33	1.25	0.03	0	0.01	1.23	3.19	0.08	2.33	9.16
20	76.16	73.37	76.88	77.32	1.32	1.24	0.05	0	0.01	1.17	3.36	0.08	2.43	9.64
20.5	74.88	73.37	76.44	77.76	1.04	1.01	0.03	0	0.01	1.05	3.25	0.09	2.56	10
21	76.64	73.37	76.88	77.32	1.03	0.99	0.04	0	0.01	0.93	3.22	0.1	2.52	9.68

21.5	78.64	73.37	76.88	77.76	1.06	0.96	0.03	0	0.01	0.86	3.19	0.1	2.49	8.88
22	79.08	73.37	76.88	77.76	1.06	1	0.03	0	0.01	0.77	3.19	0.11	2.85	8.36
22.5	79.08	73.37	76.88	77.76	1.04	1	0.04	0	0.01	0.88	3.29	0.18	2.69	8.52
23	78.64	72.93	76.88	77.32	1.03	0.96	0.04	0	0.01	0.83	3.22	0.23	2.85	8.16
23.5	78.64	73.37	76.88	77.32	1.05	0.99	0.04	0	0.02	0.56	3.16	0.24	3.03	7.72
24	78.64	73.81	76.88	77.76	1.06	1.01	0.04	0	0.02	0.51	3.19	0.24	2.97	7.72
24.5	78.64	73.37	76.88	77.76	1.05	0.99	0.03	0	0.02	0.49	3.29	0.24	3.08	7.4
25	78.64	73.37	76.88	77.76	1.04	1	0.03	0	0.02	0.46	3.29	0.26	3.16	7.4
25.5	79.08	73.37	76.88	77.76	1.11	1.08	0.02	0	0.02	0.44	3.22	0.28	3.2	7.2
26	78.64	73.37	76.44	77.76	1.04	0.99	0.03	0	0.02	0.41	3.22	0.28	3.28	7.08
26.5	79.08	73.37	76.88	77.76	1.05	1.02	0.04	0	0.02	0.39	3.22	0.3	3.32	7.4
27	79.08	73.37	76.88	77.76	1.13	1.11	0.01	0	0.03	0.35	3.08	0.33	3.37	7
27.5	78.64	73.37	76.88	77.76	1.08	1.01	0.03	0	0.03	0.33	3.16	0.32	3.42	7
28	78.64	73.81	76.88	77.76	1.08	1.08	0.01	0.01	0.03	0.33	3.13	0.34	3.42	6.84
28.5	78.64	73.81	76.88	77.76	1.13	1.07	0.01	0.01	0.03	0.3	3.1	0.34	3.37	6.84
29	79.08	73.37	77.32	77.76	1.11	1	0.02	0.01	0.03	0.28	3.19	0.36	3.32	6.28
29.5	78.64	73.37	76.88	77.76	1.11	1.03	0.02	0.01	0.04	0.24	3.1	0.38	3.37	6.6
30	79.08	73.37	76.88	77.32	1.07	1.04	0.02	0.01	0.04	0.25	3.19	0.37	3.32	6.88
30.5	79.08	73.37	76.88	77.76	1.13	1.09	0.01	0.01	0.04	0.22	3.13	0.4	3.28	6.48
31	79.08	73.37	76.88	77.32	1.05	1.01	0.04	0.01	0.04	0.21	3.19	0.41	3.32	6.2
31.5	79.08	73.37	77.32	77.76	1.08	1.03	0	0.01	0.05	0.2	3.22	0.42	3.32	6.44
32	78.64	73.81	76.88	77.76	1.06	1.01	0.04	0.01	0.04	0.19	3.22	0.42	3.37	6.56
32.5	78.64	73.37	76.88	78.2	1.07	1.02	0.03	0.01	0.05	0.17	3.13	0.44	3.32	6.56
33	79.08	73.37	77.32	77.76	1.06	1	0.03	0.01	0.05	0.17	3.05	0.46	3.37	6.2
33.5	78.64	72.93	76.88	78.2	0.06	0.05	0.04	0.02	0.05	0.16	3.03	0.46	3.42	6.24
34	79.08	73.37	76.88	77.76	0.01	0.01	0.03	0.02	0.06	0.17	3.13	0.47	3.42	5.72
34.5	79.08	73.37	77.32	78.2	0.01	0	0.04	0.02	0.08	0.17	3.16	0.49	3.37	5.52
35	78.64	73.37	76.88	77.76	0.01	0	0.04	0.02	0.13	0.17	3.16	0.49	3.37	5.48
35.5	79.08	73.37	77.32	78.2	0.01	0	0.03	0.02	0.07	0.18	3.13	0.5	3.42	5.32
36	79.08	73.37	77.32	78.2	0.01	0	0.04	0.02	0.13	0.19	3.19	0.52	3.42	5.28
36.5	78.64	73.37	77.32	78.2	0.01	0	0.04	0.02	0.18	0.19	3.13	0.52	3.37	5.12
37	78.64	73.37	77.32	78.2	0.01	0.01	0.04	0.02	0.11	0.2	3.1	0.53	3.28	5.2
37.5	79.08	73.37	77.32	78.2	0.01	0	0.03	0.02	0.17	0.21	3.1	0.54	3.32	5.2
38	78.64	72.93	77.32	77.76	-0.04	-0.07	0.07	0.03	0.14	0.21	3.16	0.64	3.28	4.76
38.5	78.64	73.37	76.88	78.2	-0.04	-0.08	0.07	0.03	0.13	0.32	3.19	0.64	3.24	4.52
39	78.2	73.37	77.32	78.64	-0.04	-0.08	0.06	0.04	0.19	0.32	3.08	0.57	3.24	4.4
39.5	78.2	73.37	76.88	78.2	-0.05	-0.08	0.06	0.04	0.17	0.39	3.13	0.58	2.57	3
40	77.76	73.37	77.32	78.2	-0.05	-0.07	0.06	0.06	0.13	0.44	3.1	0.62	2.55	2.6
40.5	77.32	73.37	76.88	78.2	-0.06	-0.08	0.06	0.07	0.13	0.89	2.92	0.58	2.41	2.52
41	77.32	73.81	76.88	78.2	-0.05	-0.08	0.06	0.08	0.13	0.88	2.82	0.56	2.29	2.32
41.5	76.88	73.37	76.88	77.76	0	-0.13	0.14	0.09	0.13	1.03	2.66	0.63	2.13	2.12
42	76.88	72.93	76.88	77.32	-0.05	-0.08	0.06	0.09	0.14	1.05	2.52	0.61	2.03	2.12
42.5	76.88	73.37	76.44	77.32	-0.05	-0.08	0.06	0.1	0.15	1.04	2.4	0.62	1.85	2.04
43	76.44	73.37	76.88	77.32	-0.05	-0.07	0.06	0.1	0.14	1.05	2.25	0.57	1.7	1.88
43.5	76.01	73.37	76.44	77.32	-0.06	-0.07	0.05	0.1	0.15	1.07	2.1	0.54	1.68	1.8
44	76.44	73.37	76.88	77.32	0.01	-0.01	0.05	0.1	0.16	0.9	1.92	0.53	1.55	1.72
44.5	76.01	73.37	76.88	76.88	0	0.01	0.04	0.1	0.16	0.93	1.84	0.52	1.35	1.68
45	76.44	73.37	76.01	76.88	0.03	0	0.05	0.1	0.15	0.89	1.74	0.51	1.32	1.56
45.5	76.44	73.37	76.44	76.88	0.01	-0.01	0.04	0.1	0.15	0.84	1.66	0.47	1.32	1.52
46	76.44	73.37	76.01	76.44	0	-0.02	0.05	0.1	0.14	0.83	1.59	0.46	1.02	1.4
46.5	76.44	73.37	76.01	76.01	0.01	0.01	0.04	0.1	0.14	0.83	1.51	0.43	0.9	1.36
47	76.44	73.37	76.44	76.01	0.01	-0.01	0.05	0.1	0.15	0.84	1.44	0.41	0.81	1.24
47.5	76.44	73.37	76.44	75.57	0.04	-0.07	0.04	0.1	0.14	0.8	1.36	0.4	0.73	1.28
48	76.88	73.37	76.44	75.57	0.01	0	0.04	0.1	0.14	0.79	1.29	0.39	0.7	1.2
48.5	76.88	73.37	76.01	75.57	-0.02	0	0.05	0.1	0.14	0.76	1.18	0.38	0.7	1.12
49	76.88	73.81	76.01	75.57	0.01	0.01	0.04	0.1	0.14	0.74	1.11	0.36	0.59	1.08

60.5	76.00	73.01	76.04	75.57	0.01	0	0.05	0.1	0.13	0.74	0.07	0.35	0.56	0.06
90	76.00	73.37	76.01	75.57	0.01	0	0.04	0.1	0.13	0.72	0.06	0.33	0.51	0.04
90.5	76.00	73.37	76.01	75.57	0	0	0.04	0.1	0.13	0.00	0.01	0.31	0.53	0.00
91	77.32	73.01	76.04	75.57	0.01	0	0.04	0.1	0.13	0.05	0.00	0.3	0.45	0.02
91.5	77.32	73.37	76.01	75.13	0.01	0.01	0.04	0.1	0.12	0.04	0.0	0.29	0.42	0.00
92	76.00	73.37	76.01	75.13	0	0	0.04	0.00	0.13	0.01	0.75	0.28	0.30	0.00
92.5	77.32	73.37	75.57	75.13	0.01	0	0.04	0.1	0.12	0.0	0.00	0.20	0.35	0.04
93	76.00	73.01	76.01	75.13	0	0.01	0.05	0.00	0.12	0.57	0.00	0.25	0.33	0.0
93.5	77.32	73.37	76.01	75.13	0.01	0.01	0.04	0.00	0.12	0.50	0.04	0.24	0.33	0.0
94	76.00	73.37	75.57	75.13	0.01	0	0.04	0.00	0.12	0.53	0.50	0.23	0.29	0.72
94.5	77.32	73.37	75.57	74.00	0.01	0	0.04	0.00	0.11	0.53	0.55	0.22	0.20	0.72
95	77.32	72.03	75.57	75.13	0.01	0	0.05	0.00	0.11	0.5	0.53	0.21	0.24	0.72
95.5	77.32	73.37	75.57	74.00	0.01	0	0.05	0.00	0.1	0.40	0.47	0.2	0.24	0.60
96	77.32	73.37	76.01	74.00	0	0	0.05	0.00	0.1	0.47	0.40	0.10	0.24	0.04
96.5	77.32	73.37	76.01	74.00	0.01	0	0.05	0.00	0.1	0.45	0.44	0.10	0.21	0.04
97	77.32	73.37	75.57	74.00	0	0	0.05	0.00	0.1	0.43	0.42	0.17	0.10	0.0
97.5	77.32	73.37	75.57	75.13	0.01	0	0.04	0.00	0.1	0.43	0.4	0.17	0.17	0.0
98	77.32	73.37	76.01	74.00	0	0.01	0.05	0.00	0.00	0.41	0.30	0.10	0.15	0.0
98.5	77.32	73.37	75.57	74.00	0.01	0.01	0.05	0.00	0.1	0.30	0.33	0.15	0.15	0.50
99	77.76	73.37	75.57	74.00	0.01	0	0.05	0.00	0.00	0.30	0.31	0.14	0.14	0.50
99.5	77.32	73.37	75.57	74.00	0.01	0	0.05	0.00	0.00	0.37	0.3	0.13	0.13	0.52
00	77.32	73.01	75.57	74.00	0.01	0	0.04	0.00	0.00	0.35	0.27	0.13	0.12	0.52
00.5	77.32	73.37	75.57	74.00	0	0	0.04	0.07	0.00	0.34	0.25	0.12	0.11	0.52
01	77.32	73.37	75.57	74.00	0.01	0	0.04	0.07	0.00	0.33	0.25	0.11	0.1	0.40
01.5	77.32	73.37	75.57	74.25	0.01	0	0.04	0.07	0.00	0.31	0.22	0.11	0.00	0.40
02	77.32	73.37	75.57	74.00	0.01	0	0.05	0.07	0.00	0.3	0.21	0.1	0.00	0.40
02.5	77.32	73.37	75.13	74.00	0.01	0.01	0.05	0.07	0.00	0.20	0.2	0.1	0.00	0.40
03	77.32	73.37	75.57	74.00	0.01	0	0.04	0.00	0.00	0.20	0.10	0.00	0.07	0.44

LOCATION OF SENSORS, SCZ 4 5, LOW, TEST NO 11 12

AIR TEMP TEMP FLOWMETER

CPO PASS TEMP CPO PASSAGE

FAN RM TEMP FAN RM.

BR TEMP TEMP BRIDGE

RM PRESS PRESSURE RELEASE SPACE (LAUNDRY)

AIR DP DIFFERENTIAL PRESSURE ACROSS FLOWMETER INLET AND OUTLET

AIR PRES- PRESSURE FLOWMETER INLET

L GALL LASER GALLEY

L BOIL- LASER BOILER RM.

L CPO LASER CPO QTRS.

L FAN RM- LASER FAN RM.

L BRIDGE- LASER BRIDGE

L LAUND- LASER LAUNDRY

FILE A:TEST11.PRM

No.Chan. 13

DATE 05-25-1986

Before Pr 3.75

Preheat T 1.25

L/L TIME 2

M/H Time 3

E/H Time 6

Second M/ 3

Second L/ 16

TIME	1	3	4	6	11	12	13	16	17	19	20	21	22
MIN.	AIR TEMP	CPO PASS	FAN RM	BR TEMP	RM PRESS	AIR DP	AIR PRES	L GALL	L BOIL	L CPO	L FAN RM	L BRIDGE	L LAUND
0	77.76	83.48	77.76	69.85	0.02	0.04	0.01	0	0	0	0	0	0
0.5	77.76	84.79	78.2	69.85	0.02	0.03	0.01	0	0	0	0	-0.01	0
1	77.76	85.67	78.2	69.41	0.02	0.01	0.01	0	0	0	0	-0.01	0
1.5	78.2	86.55	78.64	69.41	0.02	0.01	0	0	0	0	0	-0.02	0
2	77.76	86.99	78.2	69.85	0.02	0.02	0.01	0	0	0	0	-0.02	0
2.5	77.76	86.55	78.2	69.41	0.02	0.02	0.01	0	0	0	0	-0.02	0
3	77.76	86.55	77.76	69.41	0.02	0.01	0.01	0	0	0	0	-0.02	0
3.5	77.76	85.23	78.2	69.85	0.02	0.02	0.01	0	0.01	0	0	-0.05	0
4	77.76	86.55	78.2	69.85	0.02	0.02	0.01	0	0	0	0	-0.04	0
4.5	77.76	85.23	77.76	69.85	0.02	0.02	0.01	0	0	0	0	-0.05	0
5	77.76	84.79	78.2	69.85	0.03	0.01	0.01	0	0	0	0	-0.02	0
5.5	78.2	84.35	78.2	69.85	0.02	0.8	0.97	0	0	0	0	-0.01	0
6	78.64	83.92	77.76	69.85	0.02	0.9	0.97	0	0	0	0.01	0	0
6.5	79.08	83.48	77.76	69.85	0.03	0.85	0.95	0	0	0	0	0	0
7	79.08	83.04	78.2	70.29	0.02	0.88	0.95	0	0.01	0	0	0.01	0.04
7.5	80.84	84.35	78.64	70.29	0.02	1.04	1.18	0	0	0	0	0.02	0.04
8	80.84	83.92	78.64	70.29	0.03	1.06	1.23	0	0	0	0	0.02	0.68
8.5	81.28	83.48	78.2	70.73	0.01	1.05	1.25	0	0.01	0	0	0.02	2.52
9	80.84	83.92	78.64	70.29	0.03	0.98	1.22	0	0	0	0	-0.01	4.48
9.5	81.28	84.35	78.2	70.29	0.03	1.06	1.24	0	0.01	0	0.01	-0.02	5.04
10	81.72	83.48	78.64	70.29	0.02	1.05	1.24	0	0.01	0	0.01	-0.02	4.76
10.5	81.72	83.92	78.2	69.85	0.02	1.63	2.08	0	0.03	0	0.04	-0.04	7.96
11	82.16	83.48	78.2	69.85	0.02	1.67	2.12	0	0.04	0	0.41	-0.04	6.4
11.5	82.16	83.48	78.2	70.29	0.02	1.66	2.07	0	0.08	0	0.57	-0.03	7.28
12	82.6	83.48	78.2	69.85	0.02	1.62	2.08	0	0.06	0	1.1	-0.02	8.44
12.5	82.6	83.48	78.2	69.85	0.02	1.54	2.06	0	0.05	0	1.28	-0.05	5.96
13	83.04	83.48	77.76	68.97	0.03	1.62	2.11	0	0.06	0	1.22	-0.05	5.44
13.5	83.04	83.92	78.2	69.85	0.03	1.6	2.06	0	0.05	0	1.29	-0.06	5.6
14	83.04	83.04	78.2	70.29	0.03	1.57	2.05	0	0.01	0	1.51	-0.07	6.08
14.5	83.04	83.48	78.2	70.29	-0.05	1.54	2.07	0	0.15	0	1.72	-0.06	7.52
15	83.04	81.72	77.76	69.85	-0.04	1.63	2.07	0.02	0.11	0	1.83	-0.07	8.32
15.5	83.04	83.92	78.2	70.29	0.03	1.6	2.04	0	0.13	0	1.96	-0.08	9.36
16	83.04	83.48	77.32	69.85	0.02	1.63	2.06	0	0.14	0	2.37	-0.09	10.08
16.5	83.48	83.92	77.32	70.29	0.02	0.97	1.18	0	0.16	0	1.93	-0.07	10.52
17	83.48	83.92	78.2	69.85	0.02	0.99	1.25	0	0.17	0	1.84	-0.06	9.32
17.5	83.48	83.92	77.76	70.73	-0.05	1.06	1.28	0	0.26	0	1.85	-0.04	10.68
18	83.92	84.35	77.76	70.29	0.02	0.99	1.23	0	0.19	0	1.89	-0.03	11.36
18.5	83.48	84.35	77.76	69.85	0.02	1.05	1.21	0	0.24	0	1.94	-0.02	12.44
19	83.92	83.92	77.76	70.29	0.03	0.95	1.22	0	0.27	0	1.99	-0.02	12.44
19.5	83.48	83.48	77.76	70.29	0.03	0.9	0.97	0	0.29	0	2.05	-0.01	13.12
20	83.92	84.35	78.64	70.29	0.03	0.9	0.99	0	0.23	0	2.04	0	13.68
20.5	83.92	83.48	78.2	69.85	0.03	0.88	1	0	0.35	0	2.06	0.01	14.08
21	83.92	83.92	78.2	70.73	0.02	0.87	0.96	0	0.16	0	2.1	0.02	13.92



21.5	83.92	83.92	78.2	69.85	0.03	0.9	0.99	0	0.2	0	2.09	0.01	15.12
22	83.92	84.79	78.2	70.29	0.03	0.84	1.02	0	0.2	0	2.07	0.01	15.12
22.5	83.48	84.35	78.2	70.29	0	0.82	0.98	0	0.18	0	2.16	0	15.12
23	83.92	84.79	78.2	70.29	0.02	0.87	0.97	0	0.16	0	2.16	-0.01	14.72
23.5	83.92	84.35	78.2	69.85	0.04	0.84	0.99	0	0.18	0	2.15	-0.01	14.56
24	83.92	84.35	78.2	69.41	0.03	0.83	1	0	0.13	0	2.4	0	15.32
24.5	83.92	84.35	78.2	70.29	0.03	0.91	0.96	0	0.14	0	2.38	0	14.56
25	83.92	84.35	78.2	70.29	0.02	0.91	0.95	0	0.17	0	2.37	0	12.8
25.5	83.92	84.79	78.2	70.73	-0.03	0.92	0.98	0	0.27	0	2.34	-0.01	12.72
26	83.92	84.79	78.2	69.85	0.02	0.8	0.96	0	0.2	0	2.43	-0.02	11.8
26.5	84.35	84.79	78.2	69.85	0.02	0.88	1	0	0.21	0	2.46	-0.02	13
27	84.35	86.11	78.2	70.29	0.03	0.89	0.97	0	0.25	0	2.54	-0.03	10.88
27.5	84.35	85.67	78.2	70.73	0.02	0.79	0.96	0	0.24	0	2.52	-0.03	11.6
28	84.35	84.79	78.2	70.29	0.02	0.82	0.97	0	0.26	0	2.54	-0.03	11
28.5	84.35	84.79	78.2	69.85	0.01	0.86	0.99	0	0.35	0	2.52	-0.03	11.92
29	84.35	84.79	78.2	70.73	0.03	0.88	0.95	0	0.33	0	2.56	-0.02	10.88
29.5	84.35	85.23	78.2	69.85	0.02	0.88	0.97	0	0.3	0	2.6	-0.02	9.76
30	84.35	85.23	78.64	68.53	0.03	0.94	1	0	0.36	0	2.7	-0.02	11.4
30.5	84.79	85.23	78.64	69.85	0.03	0.81	0.95	0	0.38	0	2.58	-0.01	11.36
31	84.35	84.35	78.64	70.29	0.02	0.8	0.94	0	0.38	0	2.67	-0.02	11.24
31.5	84.79	84.35	78.64	69.85	0.02	0.92	1.02	0	0.38	0	2.7	-0.02	10.92
32	84.79	84.79	78.64	70.29	0.02	0.86	0.98	0	0.46	0	2.67	-0.01	12.2
32.5	84.79	84.79	78.2	69.85	0.02	0.85	0.95	0	0.39	0	2.7	-0.02	11.12
33	84.79	85.23	78.64	69.85	0.03	0.82	0.94	0	0.44	0	2.78	-0.02	11.92
33.5	84.79	85.23	78.64	69.85	0.03	0.86	0.99	0	0.4	0	2.82	-0.02	12.44
34	84.79	85.67	78.64	69.41	0.03	0.92	0.99	0	0.42	0	2.85	-0.02	11.6
34.5	84.35	85.23	78.64	69.85	0.03	0.83	0.96	0	0.49	0	2.88	0.01	11.48
35	84.35	85.67	78.2	69.85	0.02	0.84	0.97	0	0.53	0	2.88	-0.02	11.08
35.5	84.35	85.67	78.64	69.41	0.03	0.05	0.04	0	0.57	0	2.96	-0.01	10.24
36	84.35	86.11	78.64	69.85	0.03	0.02	0.02	0	0.57	0	2.85	-0.01	9.64
36.5	84.35	85.67	79.08	70.29	0.03	0.02	0.01	0	0.57	0	2.75	-0.01	9.96
37	84.35	85.67	78.64	69.85	0.02	0.01	0.01	0	0.56	0	2.63	-0.01	9.16
37.5	84.35	85.67	77.76	69.85	0.02	0.01	0.02	0	0.61	0	2.26	-0.01	9.08
38	84.35	85.67	78.64	70.29	0.03	0.02	0.01	0	0.61	0.01	2.38	-0.01	7.8
38.5	84.35	86.11	78.64	69.41	0.03	0.02	0.01	0	0.62	0	2.35	-0.01	6.28
39	83.92	86.11	78.64	69.41	0.03	0.01	0.01	0	0.65	0.01	2.23	-0.01	5.88
39.5	83.92	86.11	78.64	69.85	0.02	0.02	0.01	0	0.75	0.01	2.06	0	5.84
40	83.92	85.67	77.76	69.41	0.03	0.01	0.01	0	0.66	0.01	1.73	0	5.96
40.5	83.48	85.67	78.64	69.85	0.03	0.01	0.01	0	0.66	0.01	1.83	0	5.8
41	83.48	86.55	78.64	69.85	0.03	0.01	0.01	0	0.71	0.01	1.65	0	5.48
41.5	83.48	86.11	78.64	69.85	0.03	0.01	0.01	-0.01	0.74	0.01	1.65	0	6
42	83.48	86.11	78.64	69.85	0.03	0.02	0.01	0	0.76	0.01	1.51	0	5.72
42.5	83.48	86.55	79.08	70.29	0.03	0.01	0.01	0	0.76	0.01	1.4	0	5.64
43	83.48	86.11	79.96	70.29	0.03	0.02	0.01	0	0.79	0.01	1.36	0	5.64
43.5	83.04	86.11	79.08	69.41	0.03	0.01	0.01	-0.01	0.79	0.01	1.16	0	4.92
44	83.04	86.11	79.08	69.85	0.03	0.01	0.01	-0.01	0.81	0.01	1.17	0.01	5.36
44.5	83.04	85.67	79.08	69.85	0.03	0.01	0.01	-0.01	0.82	0.01	1.08	0	4.72
45	83.04	86.11	79.08	69.85	0.03	0.02	0.01	0	0.83	0.01	0.97	0.01	5.12
45.5	82.6	85.67	79.08	69.85	0.03	0.02	0.01	0	0.82	0.01	0.92	0.01	5.04
46	82.6	86.11	79.08	70.29	0.03	0.01	0.02	-0.01	0.81	0.01	0.84	0.01	4.6
46.5	82.6	85.67	79.08	70.73	0.03	0.01	0.01	-0.01	0.8	0.01	0.83	0.01	5.08
47	82.6	85.67	78.64	69.85	0.03	0.01	0.01	-0.01	0.8	0.01	0.71	0.01	3.52
47.5	82.6	86.11	79.08	71.17	0.05	0.01	0.01	-0.01	0.8	0.01	0.64	0.06	4.28
48	82.16	86.11	79.08	68.97	0.04	0.01	0.01	-0.01	0.79	0.01	0.58	0	4.76
48.5	82.16	85.67	79.52	69.85	0.03	0.02	0.01	-0.01	0.79	0.01	0.72	0.01	4.4
49	82.6	85.67	79.52	69.85	0.03	0.01	0.01	-0.01	0.79	0.01	0.67	0.01	4.56

69.5	82.16	85.67	79.08	89.85	0.03	0.02	0.01	0.01	0.79	0.01	0.67	0.01	4.0
70	82.16	85.67	79.08	89.85	0.04	0.02	0.01	0.01	0.79	0.01	0.67	0.01	4
70.5	82.16	85.67	79.52	89.85	0.03	0.02	0.01	0.01	0.79	0.01	0.64	0.01	4.2
71	82.16	85.67	79.52	70.29	0.01	0.01	0.01	0.01	0.79	0.01	0.59	0.01	4.1
71.5	82.16	85.67	79.52	89.85	0.03	0.01	0.01	0.01	0.8	0.01	0.53	0.01	4.2
72	82.6	85.67	79.52	70.29	0.03	0.02	0.01	0.01	0.81	0.01	0.46	0.01	4.0
72.5	81.72	85.67	79.08	89.85	0.04	0.01	0.01	0.01	0.79	0.01	0.44	0.01	3.89
73	82.16	85.67	79.08	89.41	0.34	0.01	0.01	0.01	0.89	0.01	0.36	0.01	4.04
73.5	81.72	85.67	79.52	70.73	0.04	0.01	0.01	0.01	0.81	0.01	0.34	0.01	4.02
74	81.72	85.23	78.64	70.29	0.04	0.01	0.01	0.01	0.79	0.01	0.37	0.01	3.12
74.5	82.6	85.67	79.52	70.29	0.04	0.01	0.01	0.01	0.78	0.01	0.35	0.01	3.51
75	81.72	85.23	79.08	70.29	0.03	0.01	0.02	0.01	0.77	0.01	0.42	0.01	3.76
75.5	81.72	85.23	79.52	70.73	0.03	0.01	0.01	0.01	0.79	0.01	0.50	0.01	3.24
76	81.72	85.23	79.52	70.29	0.03	0.01	0.01	0.01	0.85	0.01	0.56	0.01	3.0
76.5	81.72	84.79	79.52	89.85	0.03	0.01	0.01	0.01	0.83	0.01	0.51	0.01	3.36
77	81.72	85.23	79.52	70.29	0.03	0.02	0.01	-0.01	0.82	0.01	0.5	0.01	2.4
77.5	81.72	84.79	79.52	70.29	0.04	0.01	0.01	0.01	0.85	0.01	0.45	0.01	2.96
78	81.72	85.23	79.08	70.73	0.04	0.01	0.02	0.01	0.86	0.01	0.41	0.01	3.32
78.5	81.72	85.23	79.08	70.73	0.03	0.02	0.01	0.01	0.85	0.01	0.44	0.01	3.1
79	81.28	85.23	79.52	70.73	0.04	0.01	0.01	0.01	0.91	0.01	0.45	0.01	3.32
79.5	81.28	84.79	79.52	70.73	0.04	0.02	0.01	-0.01	0.92	0.02	0.5	0.01	3.16
80	81.28	85.23	79.08	70.73	-0.35	-0.42	0.17	-0.01	0.85	0.01	0.13	0.01	3.28
80.5	81.72	84.79	80.4	70.29	-0.33	-0.43	0.14	-0.01	0.81	0.02	0.07	-0.01	2
81	81.28	84.79	79.52	70.29	-0.04	-0.37	0.11	-0.01	0.78	0.02	0.06	0.01	1.08
81.5	81.28	84.35	79.52	70.29	-0.26	-0.42	0.15	-0.01	0.72	0.03	0.04	0.01	0.72
82	81.28	84.35	79.08	70.29	-0.43	-0.42	0.14	-0.01	0.61	0.03	0.04	0.01	0.48
82.5	81.28	83.92	78.64	89.41	-0.37	-0.44	0.15	-0.01	0.56	0.03	0.03	0.01	0.32
83	81.28	83.92	79.52	89.85	-0.39	-0.25	0.32	-0.01	0.48	0.03	0.02	0.01	0.28
83.5	80.84	83.92	79.08	70.29	-0.37	-0.41	0.18	-0.01	0.42	0.03	0.02	0.01	0.24
84	80.84	83.48	79.08	89.85	-0.45	-0.38	0.18	-0.01	0.39	0.03	0.02	0.01	0.2
84.5	80.84	83.48	79.08	89.41	-0.41	-0.41	0.17	-0.01	0.34	0.03	0.02	0.01	0.2
85	80.84	83.92	79.08	70.29	-0.45	-0.41	0.17	-0.01	0.31	0.03	0.02	0.01	0.16
85.5	80.84	84.79	78.64	89.85	-0.36	-0.41	0.17	-0.01	0.27	0.03	0.02	0.01	0.16
86	80.84	84.35	79.08	89.85	-0.35	-0.4	0.17	-0.01	0.24	0.03	0.01	0.01	0.16
86.5	80.84	85.23	79.08	70.29	-0.37	-0.41	0.17	-0.01	0.22	0.03	0.02	0.01	0.12
87	80.84	85.23	78.2	89.85	-0.37	-0.41	0.16	-0.01	0.2	0.03	0.02	0.01	0.12
87.5	81.28	85.23	78.64	89.85	-0.36	-0.4	0.16	-0.01	0.18	0.03	0.01	0.01	0.12
88	80.84	85.67	78.64	89.85	-0.36	-0.4	0.16	-0.01	0.16	0.03	0.01	0.01	0.12
88.5	80.84	85.67	79.08	89.85	-0.38	-0.39	0.17	-0.01	0.14	0.04	0.01	0.01	0.12
89	80.84	86.11	78.64	70.29	-0.35	-0.41	0.17	-0.01	0.13	0.03	0.01	0.01	0.12
89.5	80.84	86.11	79.52	89.97	-0.34	-0.41	0.17	-0.01	0.12	0.04	0.01	0.01	0.08
90	81.28	85.67	79.08	89.41	-0.21	-0.44	0.18	-0.01	0.12	0.03	0.01	0.01	0.08
90.5	80.84	86.11	79.08	89.41	-0.19	-0.44	0.18	-0.01	0.11	0.03	0.01	0.01	0.08
91	81.28	86.11	79.52	89.85	-0.19	-0.45	0.17	-0.01	0.1	0.03	0.01	0.01	0.08
91.5	81.28	86.55	79.52	70.29	-0.17	-0.45	0.18	-0.01	0.1	0.03	0.01	0.01	0.08
92	81.28	86.11	79.52	70.29	-0.17	-0.44	0.18	-0.01	0.09	0.03	0.01	0.01	0.08
92.5	80.84	86.11	79.08	89.41	-0.42	-0.4	0.15	-0.01	0.09	0.03	0.01	0.01	0.08
93	80.84	86.11	79.52	89.85	-0.42	-0.4	0.15	-0.01	0.08	0.03	0.01	0.01	0.08
93.5	81.28	86.11	78.64	89.41	-0.26	-0.44	0.19	-0.01	0.07	0.03	0.01	0.01	0.08

# 00 A TEST 13 PNB

Bo Chan 13  
 DATE 05 25 1988  
 Before Pr 3 79  
 Probest Y 1 25  
 L/L TIME 1  
 M/E Time 3  
 M/E Time 6  
 Second B 3  
 Second L 16  
 TIME 1 3 4 6 11 12 13 16 17 18 20 21 22

MIN	AIR TEMP	CPO	FAS	FAB	BB	BB TEMP	BB PRESS	AIR DT	AIR PRESS	L GALL	L BOIL	L CPO	L FAS	BB L	BRIDGE	L LAURE
0	81.72	85.87	78.84	88.41	0.00	0.02	0.02	0.02	0	0	0	0	0	0	0	0
0.5	81.72	85.87	78.84	88.41	0.00	0.02	0.02	0.02	0	0	0	0	0	0	0	0
1	81.72	85.87	78.84	88.41	0.00	0.02	0.02	0.02	0	0	0	0	0	0	0	0
1.5	81.72	85.23	79.08	88.97	0.00	0.01	0.01	0.01	0	0	0	0	0	0	0	0
2	81.72	85.23	79.08	88.41	0.00	0.02	0.01	0.01	0	0	0	0	0	0	0	0
2.5	81.72	85.23	79.08	88.41	0.00	0.01	0.01	0.01	0	0	0	0	0	0	0	0
3	80.84	85.23	79.08	88.41	0.00	0.01	0.01	0.01	0	0	0	0	0	0.01	0	0
3.5	81.72	88.55	79.08	88.41	0.00	0.01	0.01	0.01	0	0	0	0	0	0.01	0	0
4	81.72	85.23	79.08	88.85	0.00	0.01	0.01	0.01	0	0	0	0	0	0.01	0	0
4.5	81.72	85.87	79.52	88.97	0.00	0.01	0.01	0.01	0	0	0	0	0	0.01	0.00	0.00
5	81.28	85.23	79.08	88.41	0.00	0.02	0.01	0.01	0	0	0	0	0	0.01	1.2	0
5.5	81.28	85.23	79.08	88.41	0.00	0.02	0.02	0.02	0	0	0	0	0	0.01	1.12	0
6	81.72	85.87	79.08	88.1	0.00	0.01	0.00	0.00	0	0	0	0.01	0.01	0.01	0.0	0
6.5	81.72	85.23	78.84	88.41	0.00	0.54	0.65	0.65	0	0	0	0.00	0.01	0.01	2.24	0
7	81.28	84.79	79.08	88.97	0.00	0.55	0.67	0.67	0	0	0	0.00	0.01	0.01	6.02	0
7.5	81.72	84.79	79.08	88.97	0.00	1.1	1.27	1.27	0	0	0	0.18	0.01	0.01	7.24	0
8	82.16	85.23	79.08	88.97	0.00	1.14	1.28	1.28	0	-0.01	0	0.43	0.01	0.01	9.00	0
8.5	82.16	85.87	79.08	88.41	0.00	1.01	1.27	1.27	0	-0.01	0	0.84	0.01	0.01	10.00	0
9	82.6	85.87	79.08	88.97	0.00	1.09	1.27	1.27	0	0	0	1.31	0.02	0.02	8.6	0
9.5	83.04	85.87	78.84	88.41	0.00	1.13	1.28	1.28	0	-0.01	0	1.53	0.02	0.02	7.8	0
10	83.04	85.87	79.08	87.86	0.00	1.03	1.28	1.28	0	0	0	2.11	0.02	0.02	8.52	0
10.5	83.48	85.23	78.84	88.41	-0.15	1.88	2.1	2.1	0	0.00	0	2.11	0.02	0.02	8.30	0
11	83.48	86.11	79.08	88.53	0.00	1.54	2.11	2.11	0	0	0	2.40	0.02	0.02	6.28	0
11.5	83.48	85.87	79.08	88.53	0.07	1.64	2.09	2.09	0	-0.01	0	2.59	0.02	0.02	6.64	0
12	83.04	86.11	78.84	88.97	0.00	1.6	2.1	2.1	0	-0.01	0	2.66	0.03	0.03	6.44	0
12.5	83.04	85.87	79.08	88.85	0.00	1.66	2.13	2.13	0	0	0	2.69	0.03	0.03	5.68	0
13	83.04	85.87	78.84	88.97	0.00	1.54	2.12	2.12	0	0	0	2.74	0.03	0.03	6.32	0
13.5	83.04	86.11	78.84	88.53	0.00	1.68	2.12	2.12	0	0	0	2.91	0.03	0.03	6.12	0
14	83.04	86.11	79.08	88.97	0.00	1.66	2.1	2.1	0	0.01	0	2.91	0.04	0.04	5.72	0
14.5	82.6	85.87	78.84	88.97	0.00	1.63	2.07	2.07	0	0.02	0	2.99	0.04	0.04	6.04	0
15	83.04	86.11	78.84	88.97	0.00	1.63	2.14	2.14	0	0.03	0	2.95	0.04	0.04	6.76	0
15.5	83.04	86.55	78.84	88.53	0.00	1.64	2.08	2.08	0	0.05	0	3.13	0.04	0.04	5.08	0
16	83.92	86.99	78.84	88.97	0.00	1.56	2.08	2.08	0	0.05	0	3.13	0.05	0.05	6.52	0
16.5	83.92	86.99	78.84	88.53	0.00	0.95	1.23	1.23	0	0.06	0	3.19	0.05	0.05	6.12	0
17	85.23	86.55	78.84	88.97	0.00	1.15	1.23	1.23	0	0.07	0	3.19	0.06	0.06	6.6	0
17.5	85.87	86.55	79.08	88.53	0.00	0.91	1.21	1.21	0	0.08	0	3.32	0.06	0.06	9.68	0
18	85.87	86.55	79.08	88.53	0.00	1	1.24	1.24	0	0.1	0	3.4	0.05	0.05	10.04	0
18.5	86.55	86.55	79.08	88.97	0.00	1.02	1.28	1.28	0	0.1	0	3.4	0.05	0.05	8.84	0
19	86.55	86.11	78.84	88.53	0.00	1.05	1.23	1.23	0	0.11	0	3.32	0.05	0.05	9.36	0
19.5	86.55	86.11	79.08	88.53	0.00	0.5	0.72	0.72	0	0.12	0	3.32	0.05	0.05	12.16	0
20	86.55	86.11	79.08	88.53	0.00	0.59	0.69	0.69	0	0.12	0	3.32	0.04	0.04	10.12	0
20.5	86.55	85.87	78.84	88.53	0.00	0.56	0.73	0.73	0	0.12	0	3.32	0.04	0.04	8.48	0
21	86.11	85.23	79.08	88.53	0.00	0.55	0.73	0.73	0	0.12	0	3.32	0.04	0.04	8.4	0

21.5	00.07	00.20	79.00	00.1	0.00	0.03	0.7	0	0.13	0	3.32	0.04	0.73
22	00.11	04.70	79.04	00.53	0.00	0.0	0.74	0	0.13	0	3.4	0.06	10.04
22.5	00.23	04.70	79.00	00.1	0.00	0.74	0.7	0	0.13	0	3.4	0.06	7.40
23	00.07	04.70	79.00	00.53	0.07	0.03	0.7	0	0.15	0	3.4	0.06	0.73
23.5	00.23	04.30	79.00	00.53	0.00	0.71	0.00	0	0.13	0	3.32	0.00	7.03
24	00.07	04.30	79.00	00.53	0.00	0.01	0.73	0	0.13	0	3.32	0.00	0.72
24.5	00.07	04.70	79.00	00.53	0.00	0.0	0.71	0	0.13	0	3.32	0.00	0.0
25	00.23	00.00	79.00	00.1	0.00	0.30	0.71	0	0.13	0	3.4	0.07	0.52
25.5	00.23	04.70	79.00	00.1	0.00	0.72	0.71	0	0.13	0	3.4	0.07	10.00
26	00.23	04.70	79.00	00.53	0.00	0.04	0.00	0	0.13	0	3.32	0.07	10.04
26.5	04.70	04.30	79.00	00.00	0.07	0.07	0.73	0	0.15	0	3.4	0.00	0.02
27	04.70	00.23	79.00	00.53	0.00	0.7	0.73	0	0.14	0	3.32	0.00	10.00
27.5	04.70	04.30	79.00	00.1	0.00	0.00	0.74	0	0.13	0	3.5	0.00	11.02
28	04.30	04.70	79.00	00.1	0.00	0.00	0.73	0	0.13	0	3.4	0.00	10.12
28.5	04.30	00.23	79.00	00.1	0.00	0.03	0.7	0	0.14	0	3.4	0.1	0.33
29	04.30	04.70	79.04	00.1	0.04	0.00	0.71	0	0.15	0	3.4	0.1	0.00
29.5	04.30	04.70	79.00	00.1	0.00	0.32	0.7	0	0.13	0	3.4	0.11	0.0
30	04.30	00.23	79.00	00.1	0.00	0.02	0.71	0	0.15	0	3.4	0.1	0.0
30.5	04.30	04.30	79.00	07.00	-0.20	0.07	0.71	0	0.3	0	3.32	0.1	0.32
31	04.70	04.30	79.00	00.1	0.01	0.04	0.71	0	0.17	0	3.5	0.1	10.10
31.5	03.02	03.02	79.00	00.53	0.00	0.30	0.75	0	0.10	0	3.4	0.1	0.0
32	04.30	04.30	79.00	07.00	0.00	0.30	0.71	0	0.10	0	3.4	0.11	10.20
32.5	04.30	04.30	79.00	00.1	0.00	0.71	0.72	0	0.10	0	3.32	0.11	0.2
33	03.02	04.70	79.00	00.1	0.00	0.71	0.73	0	0.10	0	3.4	0.11	0.12
33.5	04.30	04.30	79.00	00.1	0.00	0.03	0.7	0	0.17	0	3.5	0.11	0.02
34	04.30	04.30	79.00	00.1	0.00	0.72	0.71	0	0.10	0	3.4	0.11	0.0
34.5	03.02	04.30	79.00	07.00	0.00	0.00	0.72	0	0.14	0	3.4	0.11	0.40
35	04.30	04.70	79.00	07.00	0.00	0.70	0.77	0	0.15	0	2.91	0.12	0.70
35.5	03.02	04.70	79.00	00.1	0.00	0.00	0.00	0	0.14	0	3.01	0.12	0.40
36	03.02	04.30	79.00	00.53	0.00	0.02	0.02	0	0.14	0	3.4	0.12	0.44
36.5	03.02	00.23	79.00	00.1	0.00	0.01	0.01	0	0.14	0	3.4	0.12	4.44
37	04.30	00.23	79.00	00.53	0.00	0.01	0.02	0	0.14	0	3.4	0.13	3.04
37.5	03.02	00.23	79.00	00.53	0.00	0.01	0.01	0	0.15	0	3.4	0.13	3.70
38	04.30	00.07	79.00	00.1	0.00	0.01	0.02	0	0.15	0	3.5	0.13	2.04
38.5	04.30	00.07	79.00	07.00	0.00	0.01	0.01	0.01	0.10	0	3.5	0.13	3.04
39	03.02	00.07	79.00	00.1	0.04	0.01	0.01	0.01	0.10	0	3.32	0.13	3.70
39.5	03.40	00.07	79.04	00.41	0.05	0.02	0.01	0.01	0.14	-0.01	3.25	0.13	3.8
40	03.40	00.11	79.00	07.22	0.00	0.02	0.01	0.01	0.14	0	3.4	0.13	4.32
40.5	03.40	00.11	79.00	07.00	0.00	0.02	0.01	0.01	0.14	0	3.32	0.13	3.50
41	03.40	00.55	79.00	00.53	0.04	0.02	0.02	0.01	0.14	0	3.32	0.13	3.00
41.5	03.40	00.07	79.00	07.00	0.05	0.01	0.01	0.01	0.15	-0.01	3.32	0.13	4.2
42	03.40	00.55	79.00	07.00	0.04	0.02	0.01	0.01	0.15	0	3.32	0.13	4.44
42.5	03.04	00.11	79.00	00.70	0.04	0.01	0.01	0.01	0.17	0	3.25	0.13	5.0
43	03.04	00.55	79.00	07.22	0.05	0.02	0.01	0.01	0.15	0	3.13	0.13	5.70
43.5	03.04	00.55	79.00	07.22	0.04	0.01	0.01	0.01	0.14	0	3.10	0.13	0
44	03.04	00.99	79.00	07.00	0.04	0.02	0.01	0.01	0.12	0	3.00	0.13	5.04
44.5	03.04	00.55	79.00	07.00	0.04	0.02	0.02	0.01	0.12	0	3.00	0.13	5.02
45	03.04	00.11	79.00	00.1	0.04	0.01	0.01	0.01	0.11	0	3.03	0.14	4.52
45.5	02.0	00.55	79.00	00.1	0.05	0.02	0.01	0.01	0.1	0	3.03	0.14	5.44
46	02.0	00.11	79.00	07.00	0.04	0.01	0.01	0.01	0.00	0	2.90	0.14	5.2
46.5	02.0	00.55	79.00	07.00	0.04	0.01	0.01	0.01	0.00	0	2.95	0.14	5.50
47	02.0	00.11	79.00	07.00	0.04	0.01	0.01	0.01	0.00	-0.01	2.95	0.14	5.4
47.5	02.0	00.55	79.00	07.00	0.04	0.02	0.02	0.01	0.00	0	2.8	0.14	5.4
48	02.0	00.11	79.00	07.00	0.04	0.01	0.01	0.01	0.00	0	2.84	0.14	5.20
48.5	02.0	00.55	79.00	07.00	0.05	0.01	0.01	0.01	0.00	0	2.74	0.14	5
49	02.10	00.55	79.00	07.00	0.05	0.01	0.01	0.01	0.00	0	2.74	0.15	4.72

49.5	82.18	86.11	79.52	67.22	0.04	0.01	0.01	0.01	0.08	-0.01	2.68	0.15	4.48
50	82.8	86.11	79.52	67.86	0.04	0.01	0.01	0.01	0.08	0	2.74	0.15	4.2
50.5	82.18	86.55	79.08	67.22	0.05	0.02	0.01	0.01	0.07	-0.01	2.57	0.15	4.48
51	82.18	86.55	78.84	67.22	-0.11	-0.09	0.1	0.01	0.23	0	0.17	0.15	4.32
51.5	82.18	85.67	78.2	67.86	-0.11	-0.08	0.1	0.01	0.36	0	0.12	0.15	2.64
52	82.18	85.67	77.76	67.22	-0.02	-0.03	0.03	0.01	0.55	0	0.06	0.15	1.64
52.5	82.18	85.67	77.32	67.22	-0.01	-0.02	0.03	0.01	0.43	0	0.04	0.15	0.96
53	82.18	84.79	76.01	67.22	-0.57	-0.38	0.18	0.01	0.34	0	0.04	0.15	0.68
53.5	81.72	84.79	76.44	66.78	-0.39	-0.39	0.2	0.01	0.31	0	0.02	0.15	0.52
54	81.28	85.23	76.44	67.22	-0.44	-0.4	0.2	0.01	0.27	0	0.02	0.15	0.4
54.5	81.72	85.23	76.88	68.1	-0.57	-0.05	0.02	0.01	0.4	0	0.02	0.15	0.36
55	81.28	84.35	76.44	67.22	0	-0.04	0.02	0.01	0.13	0	0.02	0.16	0.28
55.5	81.72	84.35	76.44	66.78	-0.04	-0.04	0.03	0.01	0.11	0	0.02	0.15	0.28
56	81.28	84.35	76.01	67.22	-0.4	-0.35	0.18	0.01	0.08	0.01	0.02	0.15	0.24
56.5	81.28	84.35	76.01	66.78	-0.37	-0.36	0.17	0.01	0.05	0.01	0.02	0.16	0.24
57	80.84	84.35	75.57	66.78	-0.8	-0.26	0.21	0.01	0.06	0.01	0.02	0.16	0.24
57.5	81.28	84.79	76.01	66.34	-0.34	-0.37	0.16	0.01	0.04	0.01	0.02	0.16	0.2
58	81.28	84.35	76.01	66.78	-0.34	-0.37	0.18	0.01	0.03	0.01	0.02	0.16	0.2
58.5	80.84	84.35	76.01	67.22	-0.35	0.37	0.19	0.01	0.03	0.01	0.02	0.16	0.2
59	81.28	84.35	76.01	66.78	-0.51	-0.36	0.17	0.01	0.02	0.01	0.02	0.16	0.2
59.5	80.84	84.79	76.01	66.34	-0.51	-0.38	0.15	0.01	0.02	0	0.02	0.16	0.2
60	80.84	84.79	76.01	66.78	0.04	0.01	-0.01	0.01	0.02	0	0.02	0.16	0.16
60.5	80.4	84.79	76.01	66.78	0.05	0.01	0.01	0.01	0.02	0	0.02	0.16	0.16
61	80.84	84.79	76.01	67.66	0.04	0.02	0	0.01	0.01	0	0.02	0.16	0.16
61.5	80.84	84.79	75.57	66.78	-0.53	0.04	0.01	0.01	0.01	0	0.02	0.16	0.16
62	80.84	85.23	76.01	66.34	-0.5	0.08	-0.02	0.01	0.01	0	0.01	0.16	0.16
62.5	80.84	84.79	75.57	66.34	-0.42	0.19	-0.26	0.01	0.01	0	0.01	0.16	0.16
63	80.84	84.79	76.01	66.34	-0.42	0.13	-0.13	0.01	0.01	0	0.01	0.16	0.16
63.5	80.4	84.79	76.01	66.34	-0.02	0.22	-0.54	0.01	0	0	0.01	0.16	0.12
64	80.84	84.79	76.01	66.34	-0.44	0.18	-0.43	0.01	-0.01	0	0.01	0.16	0.12
64.5	80.84	84.79	75.57	66.78	-0.47	0.2	-0.43	0.01	-0.01	0	0.01	0.16	0.12
65	81.28	84.79	76.01	65.9	-0.47	0.2	-0.52	0.01	-0.01	0	0.01	0.17	0.12
65.5	80.84	84.79	75.57	66.34	-0.46	0.2	-0.45	0.01	-0.01	0	0.01	0.17	0.12
66	81.28	84.79	76.01	66.34	-0.43	0.2	-0.47	0.01	-0.01	0	0.01	0.17	0.12
66.5	81.28	84.79	76.01	65.46	-0.43	0.25	-0.68	0.01	-0.01	0	0.01	0.17	0.12
67	81.28	84.79	76.01	65.9	-0.45	0.2	-0.58	0.01	-0.01	0	0.01	0.17	0.12
67.5	81.28	84.79	76.01	66.34	-0.45	0.2	-0.57	0.01	-0.01	0	0.01	0.17	0.12
68	81.28	84.79	75.57	65.9	-0.46	0.17	-0.54	0.01	-0.01	0	0.01	0.17	0.12
68.5	81.72	84.79	75.57	66.78	9.05	0.18	-0.56	0.01	-0.01	0	0.01	0.17	0.12
69	80.84	84.79	75.13	67.22	9.05	0.2	-0.63	0.01	-0.01	0	0.01	0.17	0.08
69.5	81.72	84.79	75.57	65.46	9.06	0.19	-0.57	0.01	-0.01	0	0.01	0.18	0.08

LOCATION OF SENSORS, SCZ 4-5, HIGH TEST NO. 13-14

AIR TEMP- TEMP FLOWMETER

CPO PASS.- TEMP CPO PASSAGE

FAN RM- TEMP FAN RM.

BR.TEMP- TEMP BRIDGE

RM PRESS- PRESSURE RELEASE SPACE (FAN RM.)

AIR DP- DIFFERENTIAL PRESSURE ACROSS FLOWMETER INLET AND OUTLET

AIR PRES- PRESSURE FLOWMETER INLET

L GALL- LASER GALLEY

L BOIL- LASER BOILER RM.

L CPO- LASER CPO QTRS.

L FAN RM- LASER FAN RM.

L BRIDGE- LASER BRIDGE

L LAUND- LASER LAUNDRY

FILE A:TEST13.PRM

No.Chan. 13

DATE 05-25-1988

Before Pr 3.75

Preheat T 1.25

L/L TIME 2

M/H Time 3

H/H Time 6

Second W/ 3

Second L/ 10

TIME 1 3 4 6 11 12 13 16 17 19 20 21 22

MIN	AIR TEMP	CPO PASS	FAN RM	BR TEMP	RM PRESS	AIR DP	AIR PRES	L GALL	L BOIL	L CPO	L FAN RM	L BRIDGE	L LAUND
0	80.4	83.48	75.57	64.58	9.05	0.01	0.01	0	0	0	0	0	0
0.5	80.4	83.48	76.44	64.14	9.05	0.01	0.01	0	0	0	0	0	0
1	80.4	83.48	76.44	64.58	9.05	0.01	0.02	0	0	0	-0.04	0	0
1.5	80.4	83.48	76.01	64.14	9.05	0.02	0.02	0	0	0	-0.04	0	0
2	80.4	83.92	76.44	64.58	9.05	0.01	0.01	0	0	0	-0.04	0	0
2.5	80.4	83.92	75.57	64.58	9.05	0.01	0.01	0	0	0	-0.04	0	0
3	80.4	83.92	76.01	64.14	9.05	0.01	0.01	0	0	0	-0.04	0	0
3.5	80.84	83.92	76.01	65.9	9.05	0.01	0.01	0	0	0	-0.04	0	0
4	80.4	83.92	76.01	65.02	9.05	0.01	0.02	0	0	0	-0.04	0	0
4.5	80.4	83.92	76.01	64.58	9.05	0.01	0.01	0	0	0	14.88	0	0
5	80.4	83.48	76.01	64.14	9.05	0.01	0.01	0	0	0	11.84	0	0
5.5	80.84	83.48	76.44	64.14	9.05	0.59	0.66	0	0	0	2.88	0	0
6	81.28	82.6	76.44	64.58	9.05	0.61	0.73	0	0	0	4.36	0	0
6.5	81.28	82.16	77.32	64.14	9.05	0.58	0.73	0	0	0	12.44	0	0
7	82.16	82.16	76.01	64.14	9.05	0.72	0.73	0	0	0	12.04	0	0
7.5	82.16	82.6	76.44	63.7	9.05	1.04	1.24	0	0	0	13.52	0	0
8	82.6	83.04	76.44	64.58	9.05	1.09	1.2	0	0	0	12.68	0	0
8.5	83.04	82.6	76.44	64.58	9.05	0.93	1.23	0	0	0	12.92	0	0.02
9	83.48	82.6	76.88	64.14	9.05	1.03	1.22	0	0	0	13.52	0	0.06
9.5	83.48	82.6	76.88	64.58	9.05	1.08	1.24	0	0	0	12.92	0	0.03
10	83.92	83.04	76.88	63.26	9.05	1.08	1.19	0	0	0	12.92	0	0.03
10.5	84.35	83.04	77.32	63.7	9.05	1.58	2.08	0	0	0	12.92	0.01	0.06
11	84.79	83.48	77.32	64.14	9.05	1.66	2.1	0	0.02	0	13.52	0	0.01
11.5	84.79	83.48	77.32	64.58	9.05	1.64	2.1	0	0.01	0	12.68	0.01	0.01
12	84.79	83.48	77.32	64.14	9.05	1.57	2.05	0	0.01	0	12.92	0.01	0.05
12.5	84.79	83.48	76.88	64.58	9.05	1.64	2.08	0	0.01	0	12.68	0.01	0.06
13	84.79	83.92	77.32	64.14	9.05	1.55	2.08	0	0.01	0	11.84	0	0.09
13.5	84.79	83.04	77.76	65.46	9.05	1.57	2.08	0	0.01	0	12.92	0.01	0.08
14	85.23	83.04	77.76	64.14	9.05	1.63	2.08	0	0.01	0	12.24	0.01	0.03
14.5	85.23	83.04	77.76	64.14	9.05	1.57	2.11	0	0	0	12.68	0.01	0.05
15	85.23	83.04	77.76	64.14	9.05	1.59	2.11	0	0	0	12.44	0.01	0.05
15.5	85.23	83.48	77.76	64.14	9.05	1.56	2.13	0	0.01	0	12.24	0.01	0.06
16	85.67	83.04	77.76	64.58	9.05	1.58	2.16	0	0.01	0	12.92	0.01	0.1
16.5	85.23	83.04	77.76	64.58	9.05	0.89	1.18	0	0.01	0	11.84	0.01	0.11
17	85.67	82.6	77.76	64.14	9.05	1.12	1.18	0	0.01	0	12.92	0.01	0.11
17.5	85.67	83.04	78.2	64.14	9.05	0.95	1.17	0	0.01	0	12.68	0.01	0.09
18	85.67	83.48	77.76	63.7	9.05	1.01	1.18	0	0.02	0	12.92	0.01	0.1
18.5	85.67	83.92	77.76	64.14	9.05	1.08	1.2	0	0.02	0	13.88	0.01	0.12
19	85.23	83.04	77.76	64.58	9.05	1.13	1.2	0	0.03	0	12.68	0.01	0.26
19.5	85.67	82.6	77.76	63.7	9.05	0.57	0.66	0	0.03	0	12.68	0.01	0.15
20	85.23	82.6	78.2	63.7	9.05	0.65	0.69	0	0.03	0	12.68	0.01	0.22
20.5	85.23	82.16	77.76	63.7	9.05	0.65	0.68	0	0.03	0	12.44	0.01	0.18
21	85.67	82.6	78.2	63.7	9.05	0.76	0.7	0	0.03	0	12.92	0.01	0.2

21.5	85.23	82.6	77.76	64.14	9.05	0.63	0.72	0	0.04	0	12.00	0.01	0.21
22	85.67	82.6	78.64	64.14	9.05	0.61	0.71	0	0.04	0	12.00	0.01	0.21
22.5	85.67	82.6	78.2	65.02	9.05	0.67	0.72	0	0.04	0	12.44	0.01	0.26
23	85.23	82.16	77.32	64.58	9.05	0.57	0.74	0	0.04	0	12.00	0.01	0.21
23.5	85.67	81.72	77.76	65.2	9.05	0.71	0.72	0	0.04	0	12.00	0.01	0.21
24	85.23	82.16	77.76	65.6	9.05	0.66	0.69	0	0.04	0	12.00	0.01	0.21
24.5	85.23	82.16	77.76	65.46	9.05	0.57	0.69	0	0.04	0	12.44	0.01	0.26
25	85.23	82.16	77.76	65.02	9.05	0.64	0.69	0	0.04	0	12.04	0.01	0.21
25.5	84.79	82.6	77.76	65.46	9.05	0.69	0.67	0	0.04	0	12.04	0.01	0.24
26	85.23	82.16	77.76	65.46	9.05	0.66	0.72	0	0.04	0	12.32	0.01	0.26
26.5	85.23	82.16	77.76	65.46	9.05	0.65	0.7	0	0.05	0	12.01	0.01	0.20
27	85.67	82.16	78.2	65.9	9.05	0.62	0.66	0	0.04	0	12.00	0.01	0.21
27.5	85.67	82.6	77.76	65.9	9.05	0.71	0.7	0	0.04	0	12.01	0.01	0.21
28	85.23	82.6	77.76	65.9	9.05	0.57	0.71	0	0.04	0	12.01	0.01	0.32
28.5	85.67	82.6	78.64	66.34	9.05	0.56	0.67	0	0.04	0	12.01	0.01	0.22
29	85.67	82.6	77.76	66.34	9.05	0.55	0.7	0	0.04	0	12.00	0.01	0.23
29.5	85.67	82.16	77.76	65.9	9.05	0.63	0.75	0	0.04	0	12.44	0.01	0.23
30	85.67	82.16	77.76	67.22	9.05	0.69	0.69	0	0.04	0	12.01	0.01	0.24
30.5	85.23	82.16	77.76	65.9	9.05	0.62	0.7	0	0.04	0	12.00	0.01	0.27
31	85.67	83.04	77.76	65.46	9.05	0.55	0.76	0	0.04	0	12.02	0.01	0.27
31.5	85.23	81.72	77.76	65.46	9.05	0.54	0.66	0	0.04	0	12.00	0.01	0.26
32	85.23	82.16	77.76	65.02	9.05	0.58	0.67	0	0.04	0	12.00	0.01	0.24
32.5	85.23	82.16	78.2	65.46	9.05	0.54	0.72	0	0.04	0	12.02	0.01	0.24
33	85.23	82.16	77.76	65.02	9.05	0.61	0.71	0	0.04	0	13.2	0.01	0.24
33.5	85.23	82.16	77.76	65.02	9.05	0.56	0.71	0	0.04	0	12.02	0.01	0.26
34	85.23	82.16	77.76	64.58	9.05	0.59	0.66	0	0.04	0	12.44	0.01	0.26
34.5	85.23	82.16	77.76	64.58	9.05	0.56	0.74	0	0.04	0	12.44	0.01	0.24
35	85.23	81.72	77.76	65.02	9.06	0.71	0.71	0	0.04	0	12.00	0.01	0.25
35.5	85.23	81.72	77.32	63.7	9.05	0.07	0.06	0	0.04	0	12.02	0.01	0.24
36	85.23	82.16	77.76	64.58	9.05	0.03	0.02	0	0.04	0	13.52	0.01	0.24
36.5	85.23	81.72	77.76	64.14	9.05	0.01	0.01	0	0.04	0	13.52	0.01	0.32
37	85.23	82.16	77.76	64.14	9.05	0.03	0.01	0	0.03	0	13.52	0.01	0.24
37.5	85.23	81.72	77.76	63.26	9.05	0.02	0.01	0	0.04	0	13.52	0.01	0.22
38	85.23	82.16	76.44	63.7	9.05	0.19	-0.49	0	0.11	0	0.36	0.01	0.24
38.5	84.79	82.16	75.13	63.7	9.05	0.19	-0.57	0	0.09	0	0.16	0.01	0.17
39	85.23	82.16	74.69	63.7	9.05	0.17	-0.51	0	0.09	0	0.12	0.01	0.09
39.5	85.23	81.72	73.81	63.7	9.05	0.16	-0.52	0	0.09	0	0.00	0.01	0.06
40	85.23	81.72	73.37	64.14	9.05	0.15	-0.55	0	0.09	0	0.04	0.01	0.03
40.5	85.23	81.72	73.37	64.14	9.05	0.17	-0.62	0	0.08	0	0.00	0.01	0.02
41	85.23	82.16	72.93	63.7	9.05	0.14	-0.56	0	0.07	0	0.04	0.01	0.01
41.5	85.23	82.16	72.49	63.26	9.05	0.12	-0.51	0	0.07	0	0.04	0.01	0.01
42	84.79	82.6	72.49	63.26	9.05	0.14	-0.54	0	0.06	0	0.04	0.01	0.01
42.5	85.23	81.72	72.93	63.26	9.05	0.14	-0.55	0	0.06	0	0.04	0.01	0



**Figure 1**

[illegible]

94

22.5	83.48	79.96	76.44	61.94	9.05	0.73	0.72	0	-0.02	0	12.6	0	0.07
24	83.48	79.96	76.01	61.5	9.05	0.62	0.72	0	-0.01	0	12.88	0	0.07
24.5	83.04	79.52	76.44	61.5	9.05	0.65	0.76	0	-0.02	0	12.6	0	0.07
25	83.48	79.52	76.44	61.94	9.05	0.67	0.77	0	-0.02	0	12.6	0	0.08
25.5	83.92	79.96	76.44	61.5	9.05	0.53	0.69	0	-0.02	0	12.6	0	0.08
26	83.48	79.52	76.44	61.5	9.05	0.54	0.7	0	-0.02	0	12.36	0	0.08
26.5	83.48	79.52	76.44	61.94	9.06	0.72	0.73	0	-0.02	0	12.88	0	0.09
27	83.48	79.96	76.44	61.5	9.05	0.64	0.71	0	-0.02	0	12.6	0	0.09
27.5	82.48	79.96	76.01	61.5	9.05	0.61	0.7	0	-0.02	0	12.6	0	0.1
28	83.04	79.52	76.44	61.5	9.05	0.75	0.75	0	-0.02	0	12.6	0	0.1
28.5	82.6	79.96	76.44	61.5	9.05	0.66	0.66	0	-0.02	0	12.6	0.01	0.1
29	83.48	79.96	76.44	61.06	9.05	0.54	0.74	0	-0.02	0	12.88	0	0.11
29.5	83.48	79.96	76.01	61.5	9.05	0.65	0.73	0	-0.02	0	12.6	0	0.11
30	83.48	79.52	76.44	61.94	9.05	0.59	0.68	0	-0.02	0	12.6	0	0.12
30.5	83.04	79.96	76.88	61.5	9.05	0.62	0.7	0	-0.02	0	12.6	0	0.12
31	83.04	79.52	76.44	61.5	9.05	0.73	0.73	0	-0.02	0	12.88	0	0.13
31.5	83.04	79.52	76.44	62.38	9.05	0.61	0.71	0	-0.02	0	12.6	0	0.12
32	83.04	79.52	76.44	61.94	9.05	0.63	0.75	0	-0.02	0	12.36	0	0.12
32.5	83.04	79.52	76.44	60.62	9.05	0.7	0.74	0	-0.02	0	12.88	0	0.13
33	83.04	79.52	76.88	61.5	9.05	0.67	0.74	0	-0.02	0	12.6	0	0.13
33.5	83.04	79.52	76.44	62.82	9.05	0.62	0.76	0	-0.02	0	12.6	0	0.13
34	82.6	79.52	76.01	60.19	9.05	0.67	0.68	0	-0.02	0	11.2	0	0.14
34.5	83.04	79.52	76.44	62.38	9.07	0.67	0.72	0	-0.02	0	12.88	0	0.14
35	83.04	79.08	76.44	61.5	9.05	0.61	0.71	0	-0.02	0	12.88	0	0.16
35.5	83.04	79.96	76.88	61.5	9.05	0.11	0.11	0	-0.02	0	12.16	0	0.16
36	83.04	79.96	76.44	61.06	9.05	0.05	0.04	0	-0.02	0	12.88	0	0.15
36.5	83.48	79.96	76.44	61.06	9.05	0.02	0.01	0	-0.02	0	12.88	0	0.15
37	83.04	79.52	76.88	61.5	9.05	0.02	0.01	0	-0.02	0	12.88	0	0.16
37.5	82.6	79.52	76.44	61.06	9.05	0.02	0.01	0	-0.02	0	12.88	0	0.16
38	82.6	79.96	76.44	61.06	9.05	0.02	0.01	0	-0.02	0	12.88	0	0.16
38.5	82.6	79.52	76.44	61.06	9.05	0.02	0.02	0	-0.02	0	12.88	0	0.16
39	82.6	79.52	76.44	61.06	9.05	0.02	0.01	0	-0.02	0	13.16	0	0.16
39.5	82.6	79.52	76.44	61.06	9.05	0.02	0.01	0	-0.02	0	13.48	0.01	0.16
40	82.6	79.96	76.44	60.62	9.05	0.02	0.01	0	-0.02	0	12.88	0.01	0.17
40.5	82.6	79.96	76.44	60.19	9.05	0.02	0.01	0	-0.02	0	13.48	0	0.18
41	82.6	79.52	76.88	60.62	9.05	0.01	0.01	0	-0.02	0	13.48	0.01	0.18
41.5	82.6	79.52	76.44	61.06	9.05	0.05	0.01	0	-0.02	0	13.48	0	0.19
42	82.16	79.52	76.44	60.62	9.05	0.02	0.02	0	-0.02	0	13.16	0.01	0.19
42.5	82.16	79.96	76.44	60.62	9.05	0.01	0.01	0	-0.02	0	13.48	0.01	0.19
43	82.16	79.52	76.44	60.62	9.05	0.01	0.01	0	-0.02	0	13.84	0	0.19
43.5	82.16	79.52	76.01	61.06	9.05	0.02	0.02	0	-0.02	0	13.84	0.01	0.19
44	82.16	79.52	76.44	61.06	9.05	0.19	0.03	0	-0.02	0	14.28	0.01	0.19
44.5	81.72	78.64	76.01	61.06	9.05	0.02	0.02	0	-0.02	0	13.48	0	0.19
45	81.72	79.08	76.88	60.62	9.05	0.01	0.01	0	-0.02	0	13.48	0	0.19
45.5	81.72	79.52	76.44	60.62	9.05	0.02	0.01	0	-0.02	0	12.6	0	0.19
46	81.72	79.08	76.01	61.06	9.05	0.01	0.01	0	-0.02	0	13.48	0	0.19
46.5	81.72	79.52	74.69	61.06	9.05	0.01	0.01	0	-0.01	0	13.32	0	0.19
47	81.72	79.08	72.49	61.06	9.05	0.02	0.01	0	0.00	0	13.48	0	0.19
47.5	81.72	79.52	71.17	61.06	9.05	0.02	0.01	0	0.01	0	13.48	0	0.19
48	81.72	79.08	70.73	61.06	9.05	0.02	0.01	0	0.09	0	13.48	0	0.19
48.5	81.72	78.64	70.29	61.06	9.05	0.01	0.01	0	0.07	0	13.48	0	0.19
49	81.28	79.08	70.29	61.06	9.05	0.01	0.01	0	0.05	0	13.48	0	0.19
49.5	81.28	79.08	70.29	61.06	9.05	0.02	0.01	0	0.07	0	13.48	0	0.19
50	81.28	79.52	69.85	61.06	9.05	0.01	0.01	0	0.07	0	13.48	0	0.19
50.5	81.72	79.52	69.41	60.62	9.05	0.02	0.01	0	0.07	0	13.48	0	0.19
51	81.28	79.52	68.97	60.62	9.05	0.01	0.01	0	0.07	0	13.48	0	0.19
51.5	81.28	79.08	69.41	61.06	9.05	0.01	0.01	0	0.07	0	13.48	0	0.19
52	81.28	78.64	68.97	60.62	9.05	0.01	0.01	0	0.07	0	13.48	0	0.19

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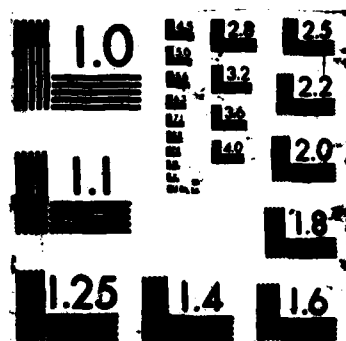
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